2003 SYSTEM WIRING DIAGRAMS

Ford - Mustang

USING WIRING DIAGRAMS

For information on using these wiring diagrams, see **USING SYSTEM WIRING DIAGRAMS** article.

AIR CONDITIONING

3.8L

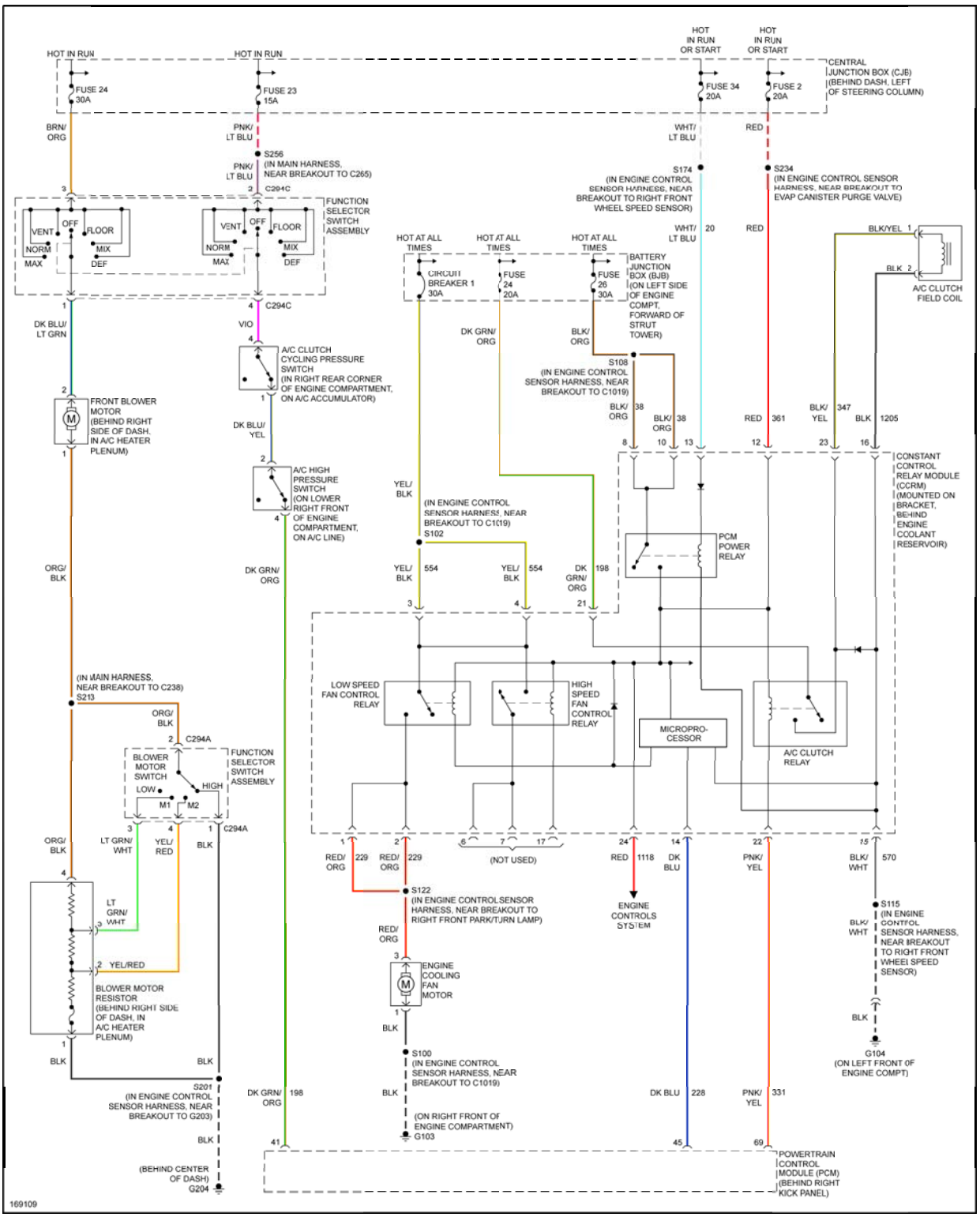
HOT IN RUN
HOT IN RUN
HOT IN RUN OR START
HOT IN RUN OR START
CENTRAL JUNCTION BOX (CJB) (BEHIND DASH, LEFT OF STEERING COLUMN)
FUSE 24 30A
FUSE 23 15A
FUSE 34 20A
FUSE 2 20A
BRN/ ORG
PNK/ LT BLU
WHT/ LT BLU
RED
S256 (IN MAIN HARNESS, NEAR BREAKOUT TO C265)
C294C
S174 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO RIGHT FRONT WHEEL SPEED SENSOR)
S234 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO EVAP CANISTER PURGE VALVE)
FUNCTION SELECTOR SWITCH ASSEMBLY
VENT
OFF
FLOOR
NORM
MAX
MIX
DEF
HOT AT ALL TIMES
CIRCUIT BREAKER 1 30A
FUSE 24 20A
FUSE 26 30A
BATTERY JUNCTION BOX (BJB) (ON LEFT SIDE OF ENGINE COMPT, FORWARD OF STRUT TOWER)
BLK/YEL
BLK
A/C CLUTCH FIELD COIL
DK BLU/ LT GRN
VIO
DK GRN/ ORG
BLK/ ORG
A/C CLUTCH CYCLING PRESSURE SWITCH (IN RIGHT REAR CORNER OF ENGINE COMPARTMENT, ON A/C ACCUMULATOR)
S108 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO C1019)
FRONT BLOWER MOTOR (BEHIND RIGHT SIDE OF DASH, IN A/C HEATER PLENUM)
DK BLU/ YEL
A/C HIGH PRESSURE SWITCH (ON LOWER RIGHT FRONT OF ENGINE COMPARTMENT, ON A/C LINE)
YEL/ BLK
(IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO C1019)
S102
PCM POWER RELAY
CONSTANT CONTROL RELAY MODULE (CCRM) (MOUNTED ON BRACKET, BEHIND ENGINE COOLANT RESERVOIR)
ORG/ BLK
(IN MAIN HARNESS, NEAR BREAKOUT TO C238)
S213
LOW SPEED FAN CONTROL RELAY
HIGH SPEED FAN CONTROL RELAY
MICROPRO-CESSOR
A/C CLUTCH RELAY
C294A
BLOWER MOTOR SWITCH
LOW
HIGH
M1
M2
FUNCTION SELECTOR SWITCH ASSEMBLY
LT GRN/ WHT
YEL/ RED
(NOT USED)
S122 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO RIGHT FRONT PARK/TURN LAMP)
ENGINE CONTROLS SYSTEM
S115 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO RIGHT FRONT WHEEL SPEED SENSOR)
ENGINE COOLING FAN MOTOR
BLOWER MOTOR RESISTOR (BEHIND RIGHT SIDE OF DASH, IN A/C HEATER PLENUM)
S100 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO C1019)
G104 (ON LEFT FRONT OF ENGINE COMPT)
S201 (IN ENGINE CONTROL SENSOR HARNESS, NEAR BREAKOUT TO G203)
(ON RIGHT FRONT OF ENGINE COMPARTMENT) G103
(BEHIND CENTER OF DASH) G204
POWERTRAIN CONTROL MODULE (PCM) (BEHIND RIGHT KICK PANEL)
169109

Fig. 1: 3.8L, Air Conditioning Circuit

4.6L

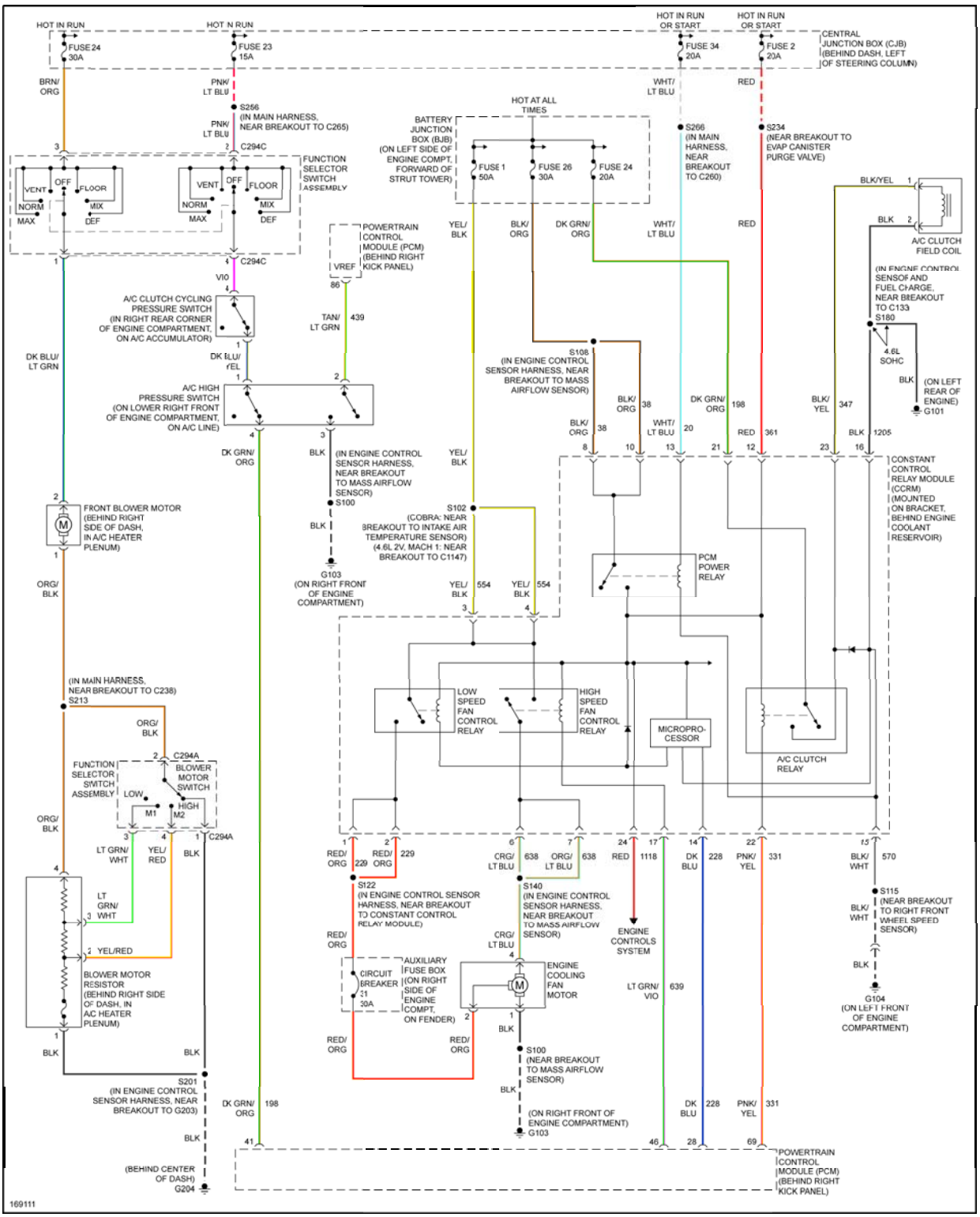

Fig. 2: 4.6L, Air Conditioning Circuit

ANTI-LOCK BRAKES

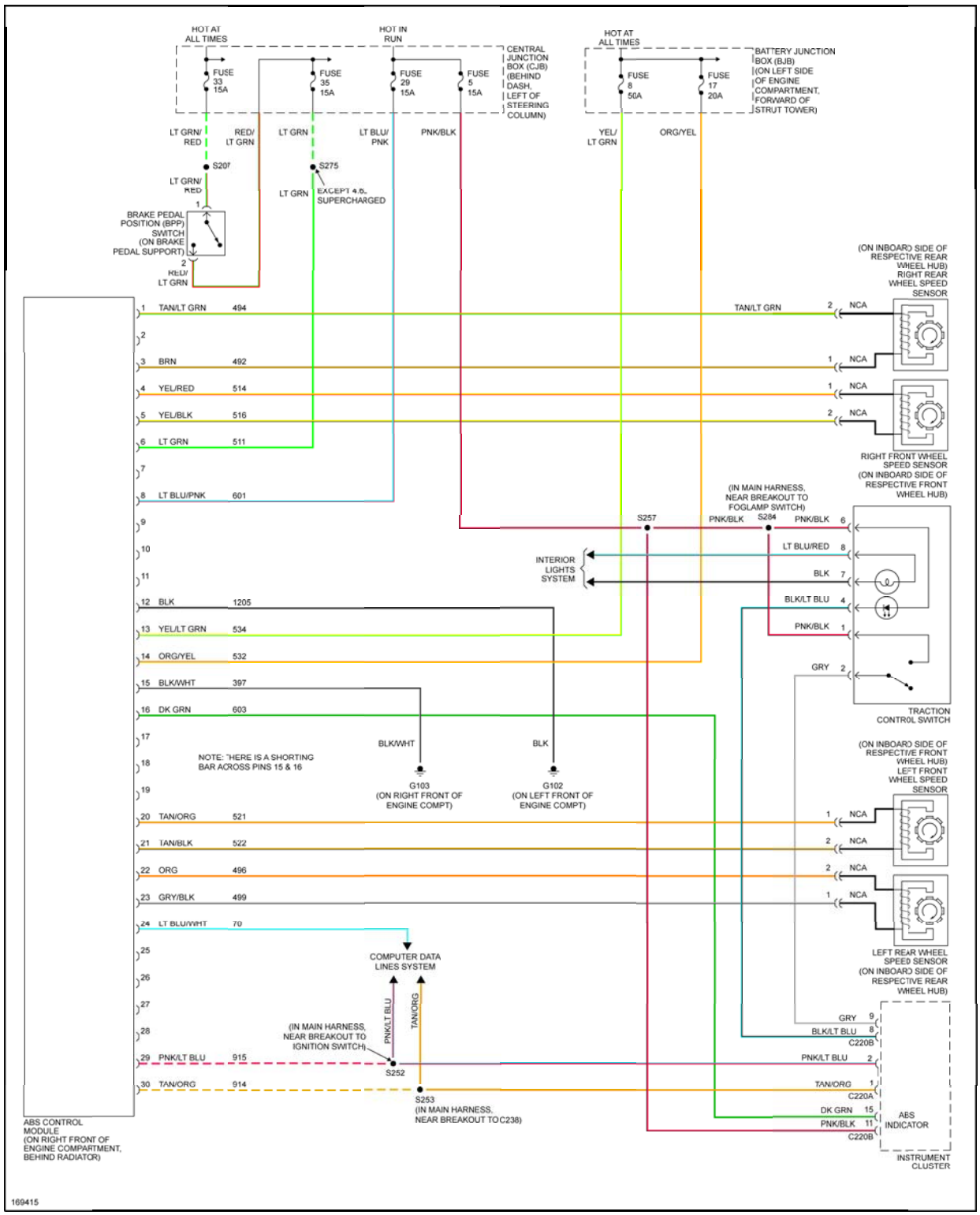
HOT AT ALL TIMES
HOT IN RUN
HOT AT ALL TIMES
CENTRAL JUNCTION BOX (CJB) (BEHIND DASH, LEFT OF STEERING COLUMN)
BATTERY JUNCTION BOX (BJB) (ON LEFT SIDE OF ENGINE COMPARTMENT, FORWARD OF STRUT TOWER)
FUSE 33 15A
FUSE 35 15A
FUSE 29 15A
FUSE 5 15A
FUSE 8 50A
FUSE 17 20A
LT GRN/ RED
RED/ LT GRN
LT GRN
LT BLU/ PNK
PNK/BLK
YEL/ LT GRN
ORG/YEL
S207
S275
EXCEPT 4.6L SUPERCHARGED
BRAKE PEDAL POSITION (BPP) SWITCH (ON BRAKE PEDAL SUPPORT)
(ON INBOARD SIDE OF RESPECTIVE REAR WHEEL HUB) RIGHT REAR WHEEL SPEED SENSOR
RIGHT FRONT WHEEL SPEED SENSOR (ON INBOARD SIDE OF RESPECTIVE FRONT WHEEL HUB)
(IN MAIN HARNESS, NEAR BREAKOUT TO FOGLAMP SWITCH)
S257
S284
INTERIOR LIGHTS SYSTEM
TRACTION CONTROL SWITCH
NOTE: THERE IS A SHORTING BAR ACROSS PINS 15 & 16
G103 (ON RIGHT FRONT OF ENGINE COMPT)
G102 (ON LEFT FRONT OF ENGINE COMPT)
(ON INBOARD SIDE OF RESPECTIVE FRONT WHEEL HUB) LEFT FRONT WHEEL SPEED SENSOR
LEFT REAR WHEEL SPEED SENSOR (ON INBOARD SIDE OF RESPECTIVE REAR WHEEL HUB)
COMPUTER DATA LINES SYSTEM
(IN MAIN HARNESS, NEAR BREAKOUT TO IGNITION SWITCH)
S252
S253 (IN MAIN HARNESS, NEAR BREAKOUT TO C238)
ABS CONTROL MODULE (ON RIGHT FRONT OF ENGINE COMPARTMENT, BEHIND RADIATOR)
ABS INDICATOR
INSTRUMENT CLUSTER
C220A
C220B
169415

Fig. 3: Anti-lock Brakes Circuit

ANTI-THEFT

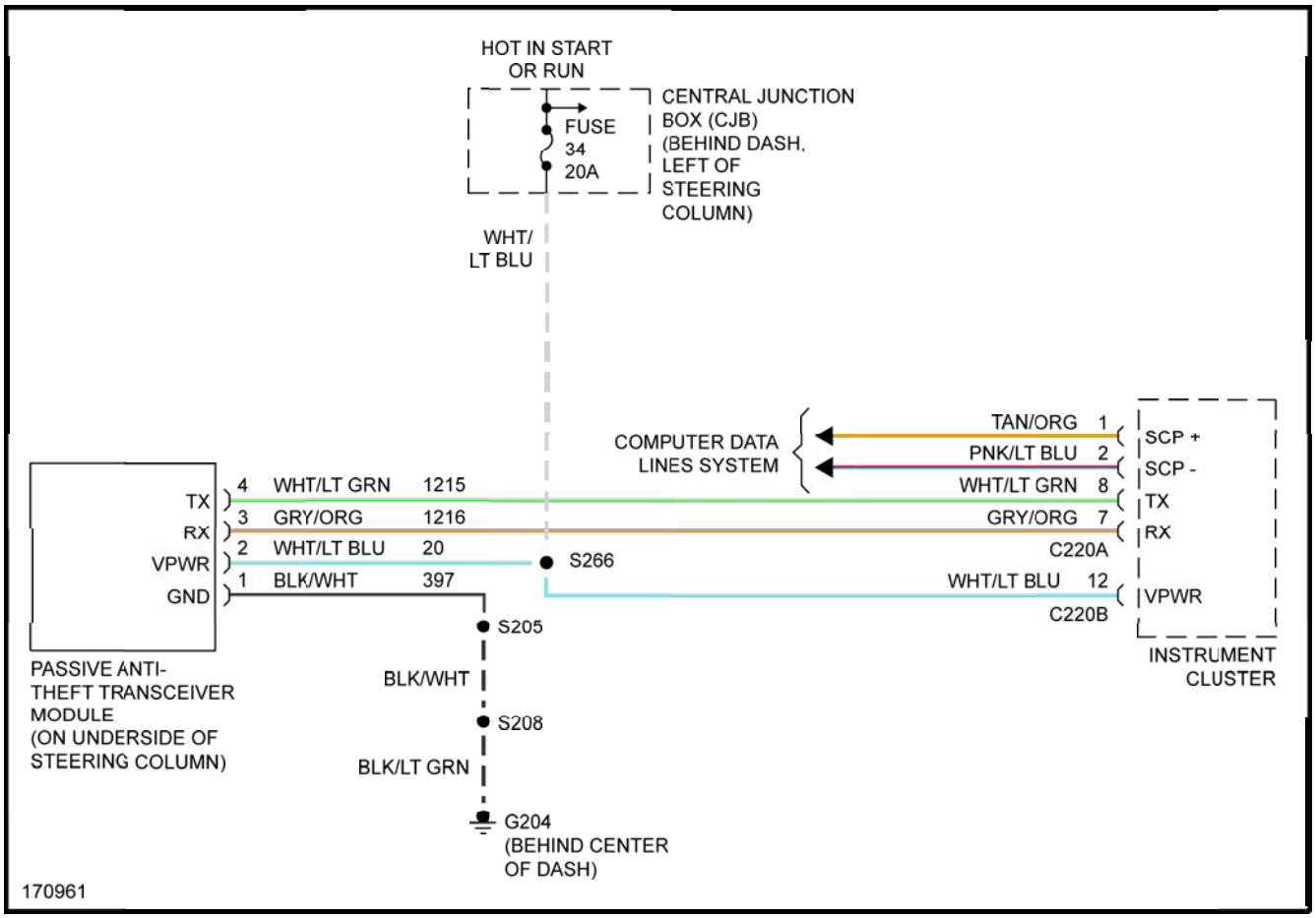

Fig. 4: Passive Anti-theft Circuit

BODY CONTROL MODULES

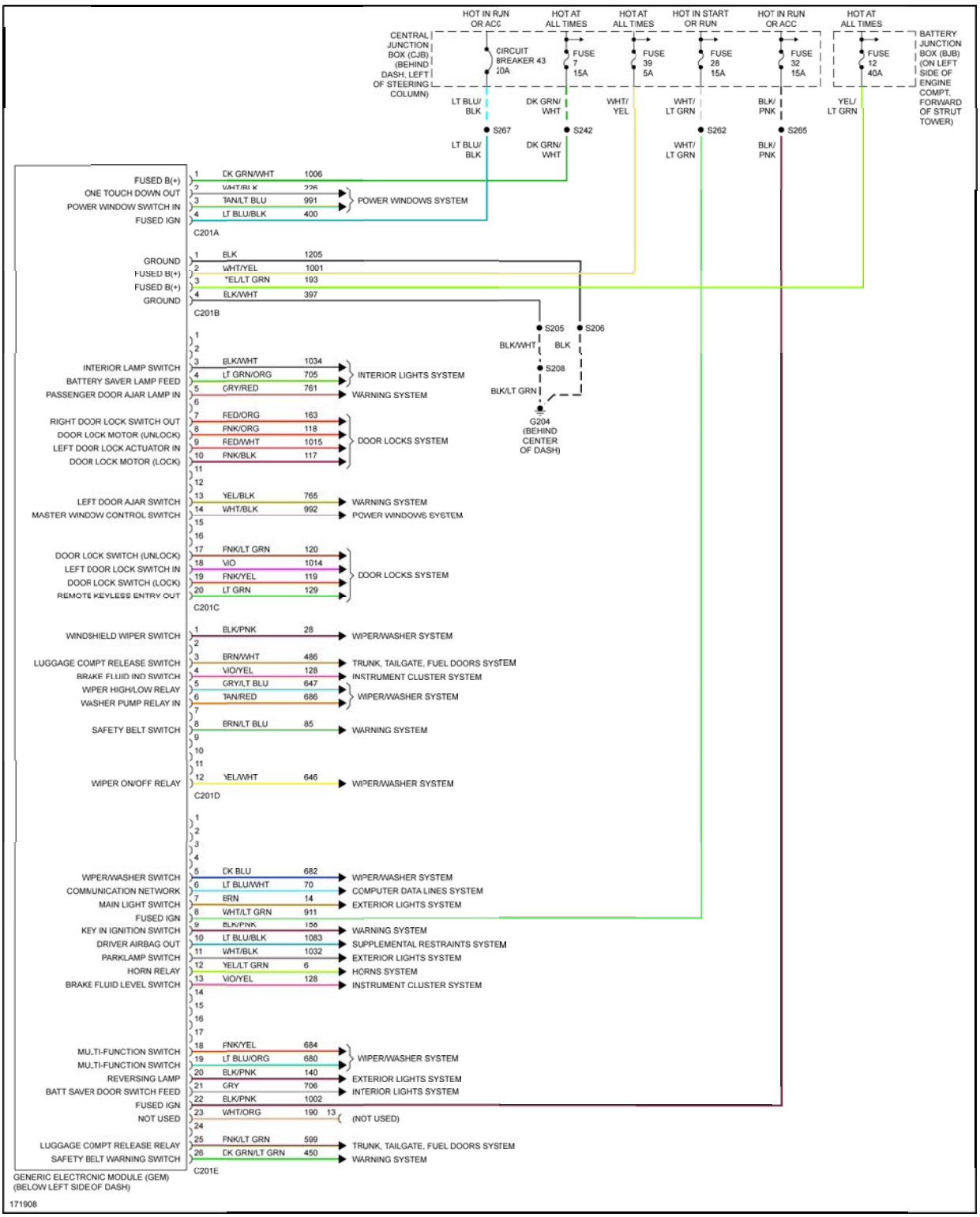

Fig. 5: Body Control Modules Circuit

COMPUTER DATA LINES

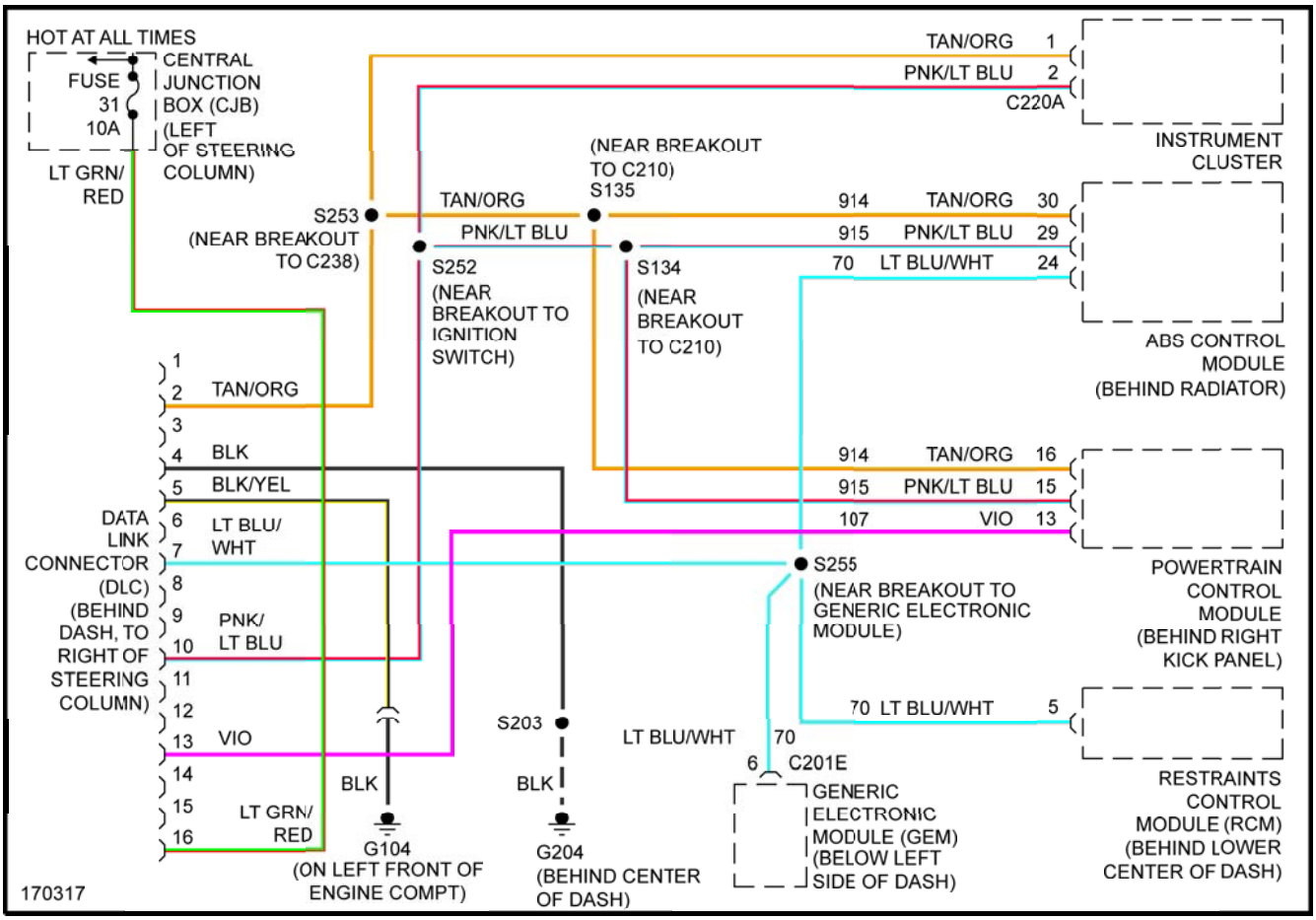
HOT AT ALL TIMES
FUSE 31 10A
CENTRAL JUNCTION BOX (CJB) (LEFT OF STEERING COLUMN)
LT GRN/ RED
S253 (NEAR BREAKOUT TO C238)
TAN/ORG
PNK/LT BLU
S252 (NEAR BREAKOUT TO IGNITION SWITCH)
(NEAR BREAKOUT TO C210) S135
S134 (NEAR BREAKOUT TO C210)
TAN/ORG 1
PNK/LT BLU 2
C220A
INSTRUMENT CLUSTER
914 TAN/ORG 30
915 PNK/LT BLU 29
70 LT BLU/WHT 24
ABS CONTROL MODULE (BEHIND RADIATOR)
914 TAN/ORG 16
915 PNK/LT BLU 15
107 VIO 13
POWERTRAIN CONTROL MODULE (BEHIND RIGHT KICK PANEL)
DATA LINK CONNECTOR (DLC) (BEHIND DASH, TO RIGHT OF STEERING COLUMN)
1 2 TAN/ORG
3 4 BLK
5 BLK/YEL
6 7 LT BLU/ WHT
8 9 10 PNK/ LT BLU
11 12 13 VIO
14 15 16 LT GRN/ RED
S255 (NEAR BREAKOUT TO GENERIC ELECTRONIC MODULE)
70 LT BLU/WHT 5
RESTRAINTS CONTROL MODULE (RCM) (BEHIND LOWER CENTER OF DASH)
S203
LT BLU/WHT 70
6 C201E
GENERIC ELECTRONIC MODULE (GEM) (BELOW LEFT SIDE OF DASH)
BLK
BLK
G104 (ON LEFT FRONT OF ENGINE COMPT)
G204 (BEHIND CENTER OF DASH)
170317

Fig. 6: Computer Data Lines Circuit

COOLING FAN

3.8L

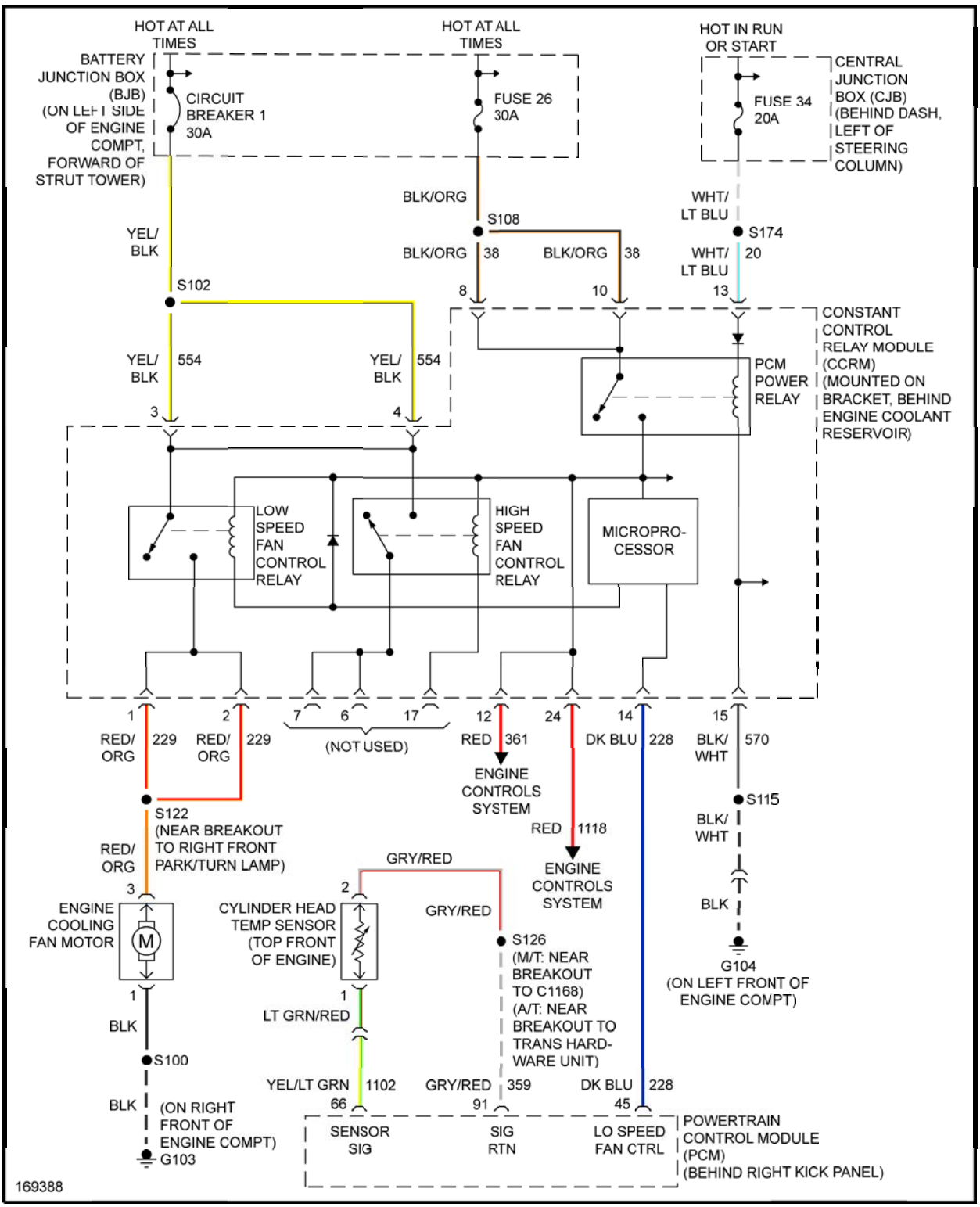

Fig. 7: 3.8L, Cooling Fan Circuit

4.6L

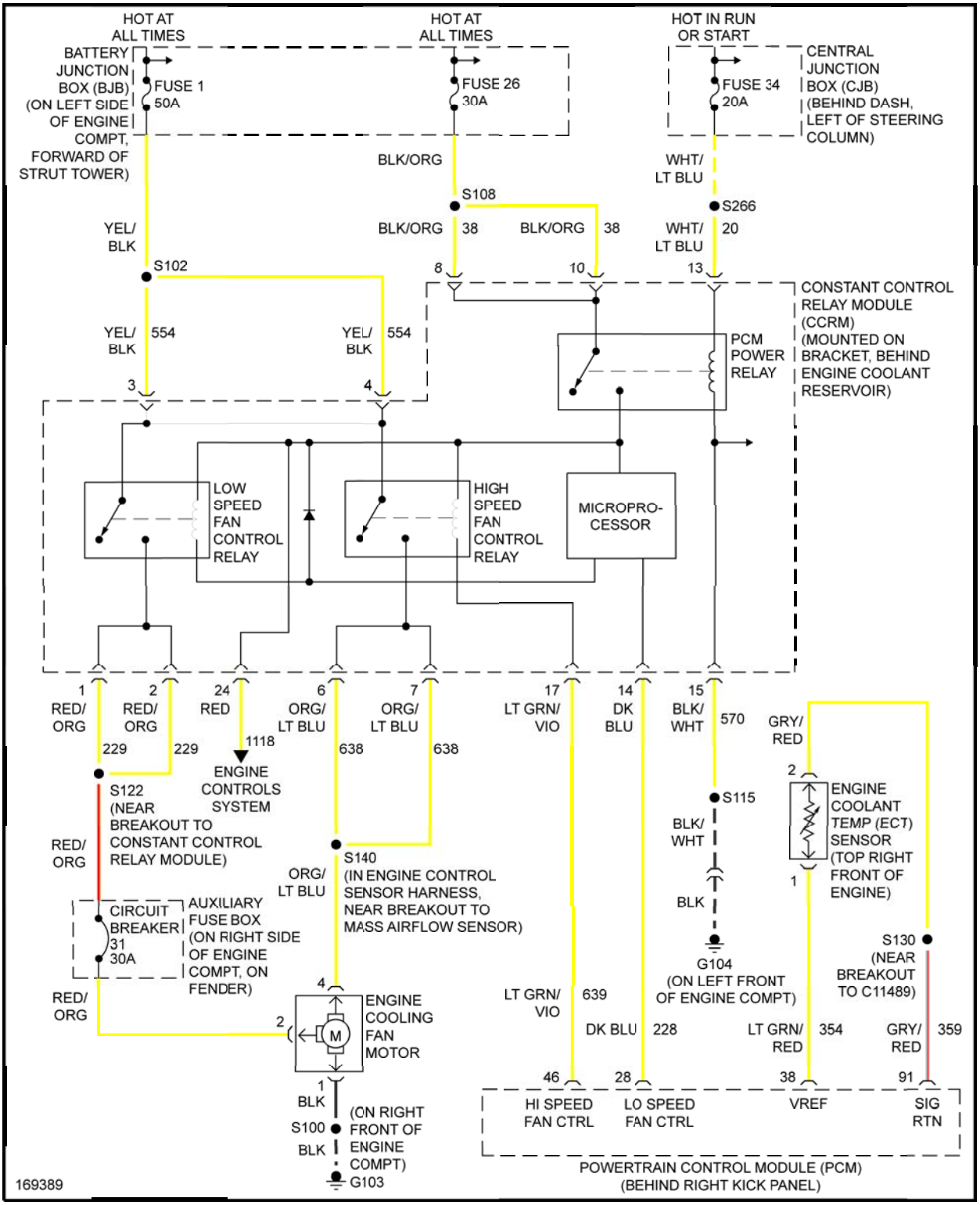

Fig. 8: 4.6L, Cooling Fan Circuit

CRUISE CONTROL

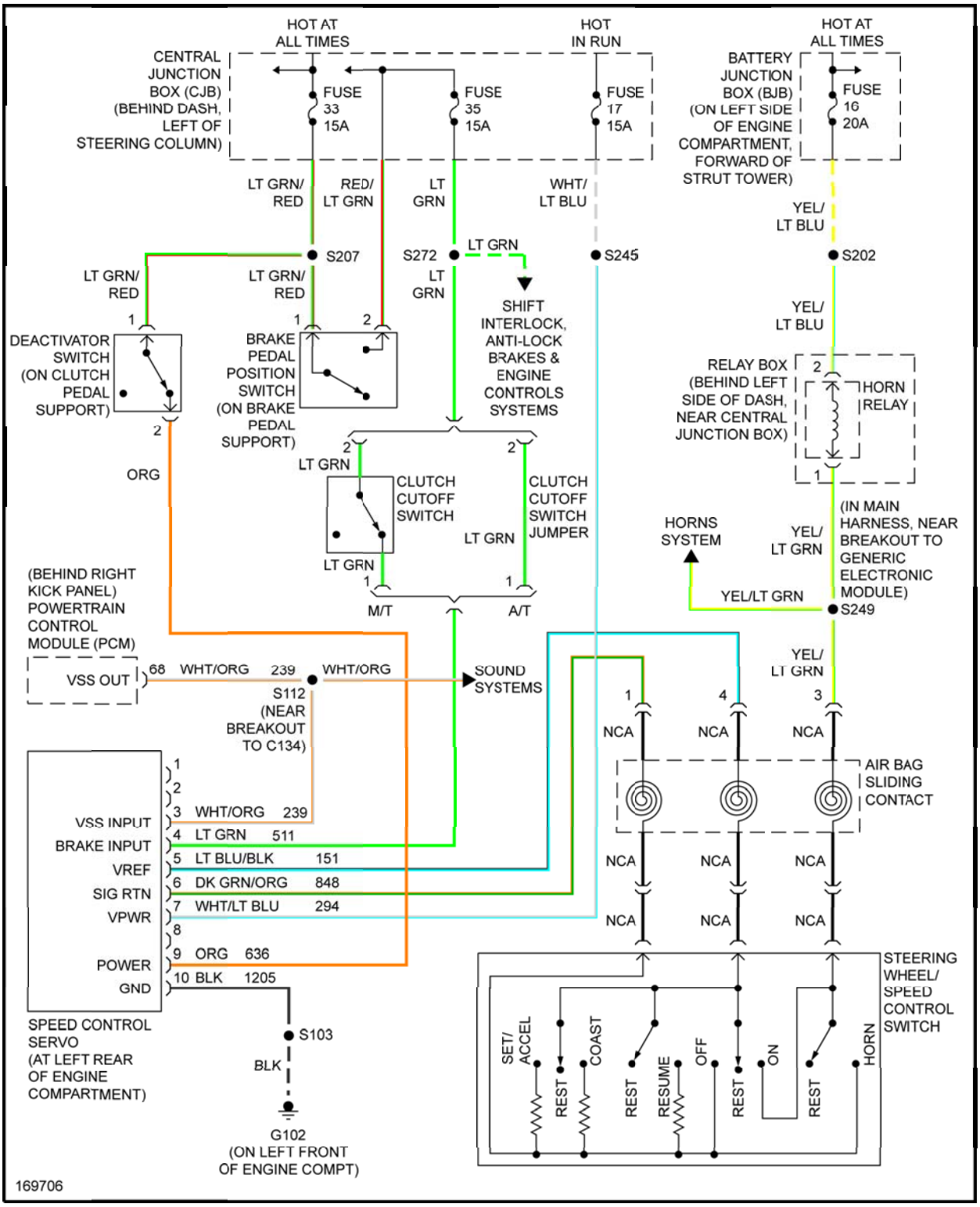

Fig. 9: Cruise Control Circuit

DEFOGGERS

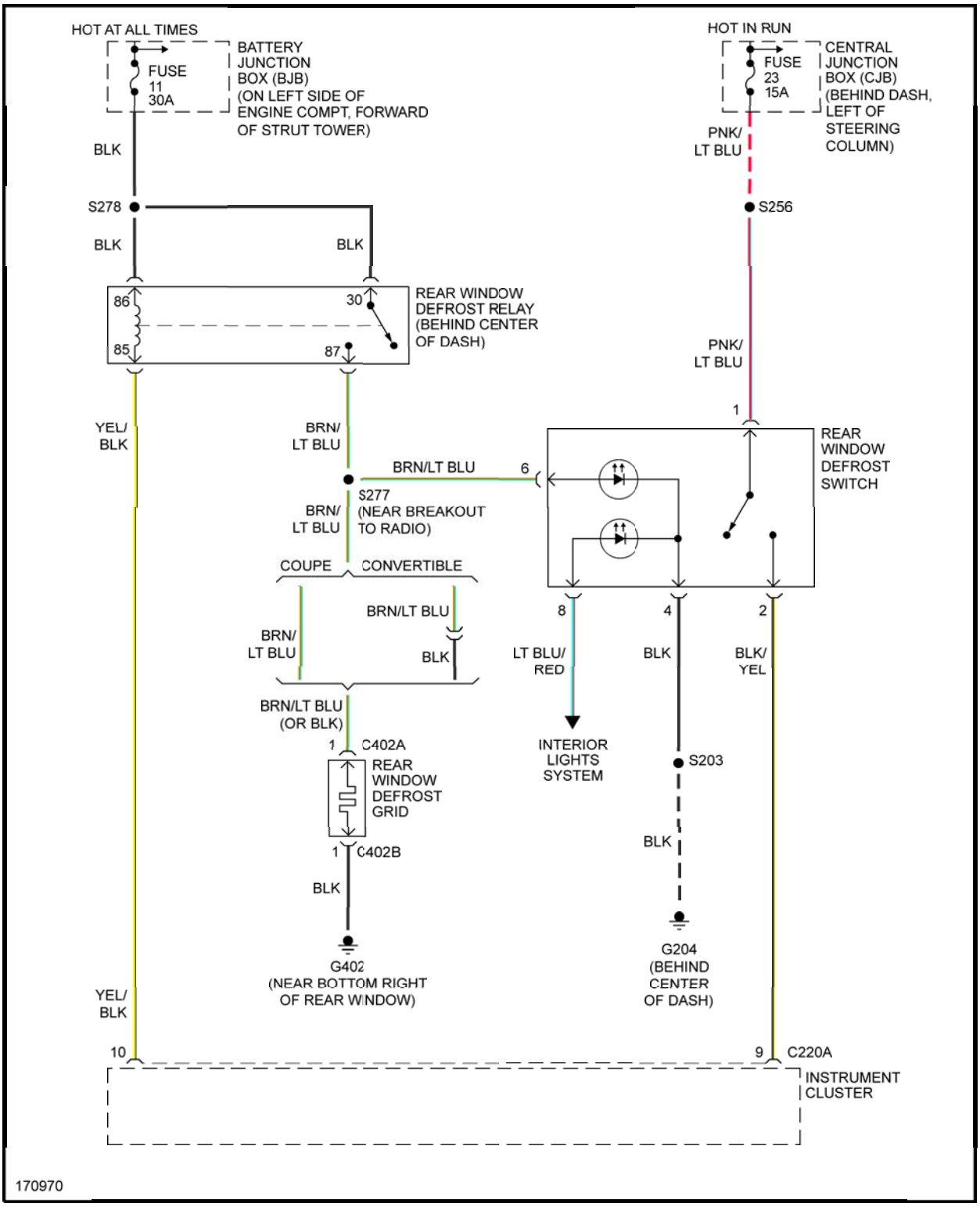

Fig. 10: Defoggers Circuit

ENGINE PERFORMANCE

3.8L

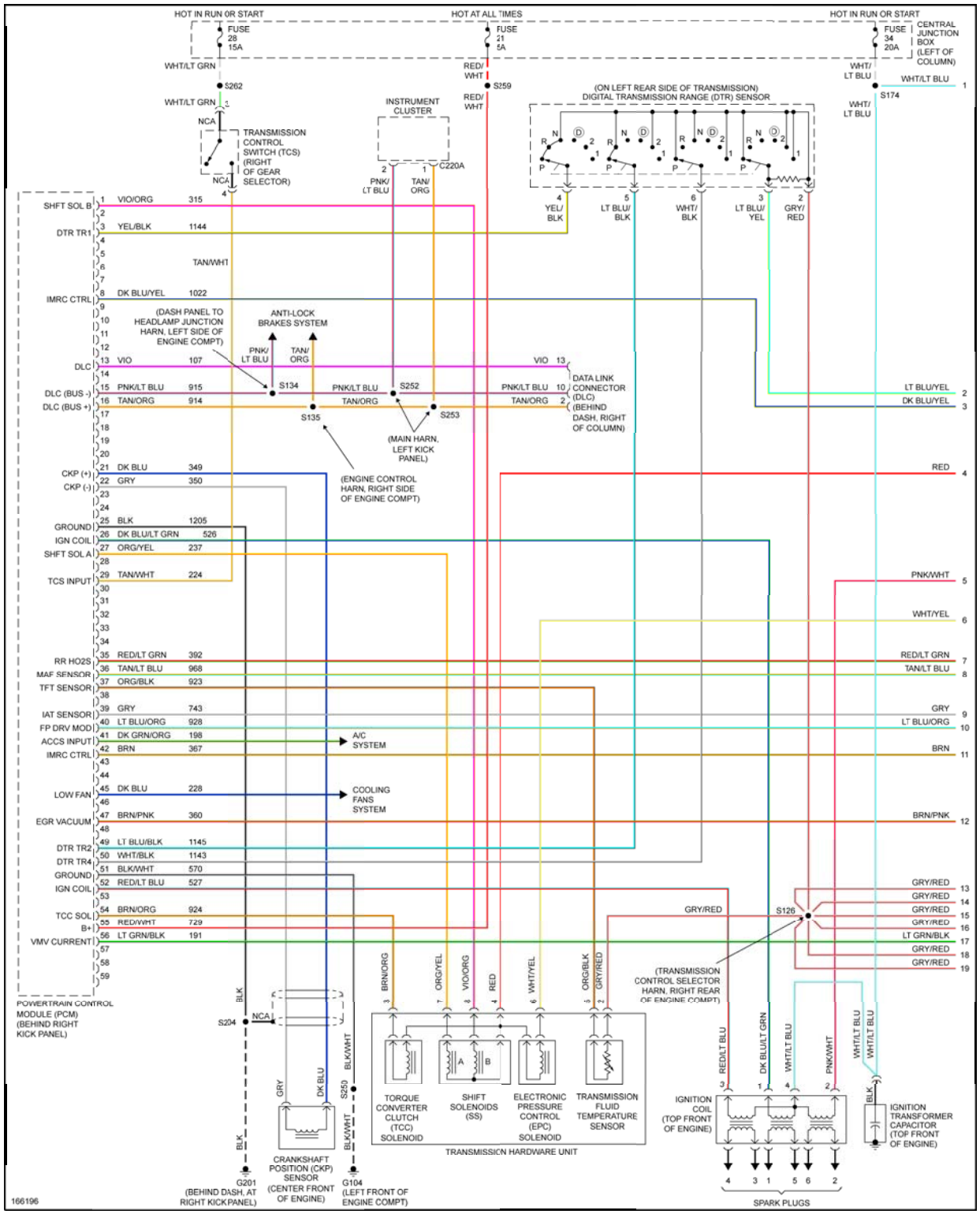

Fig. 11: 3.8L, Engine Performance Circuit (1 of 3)

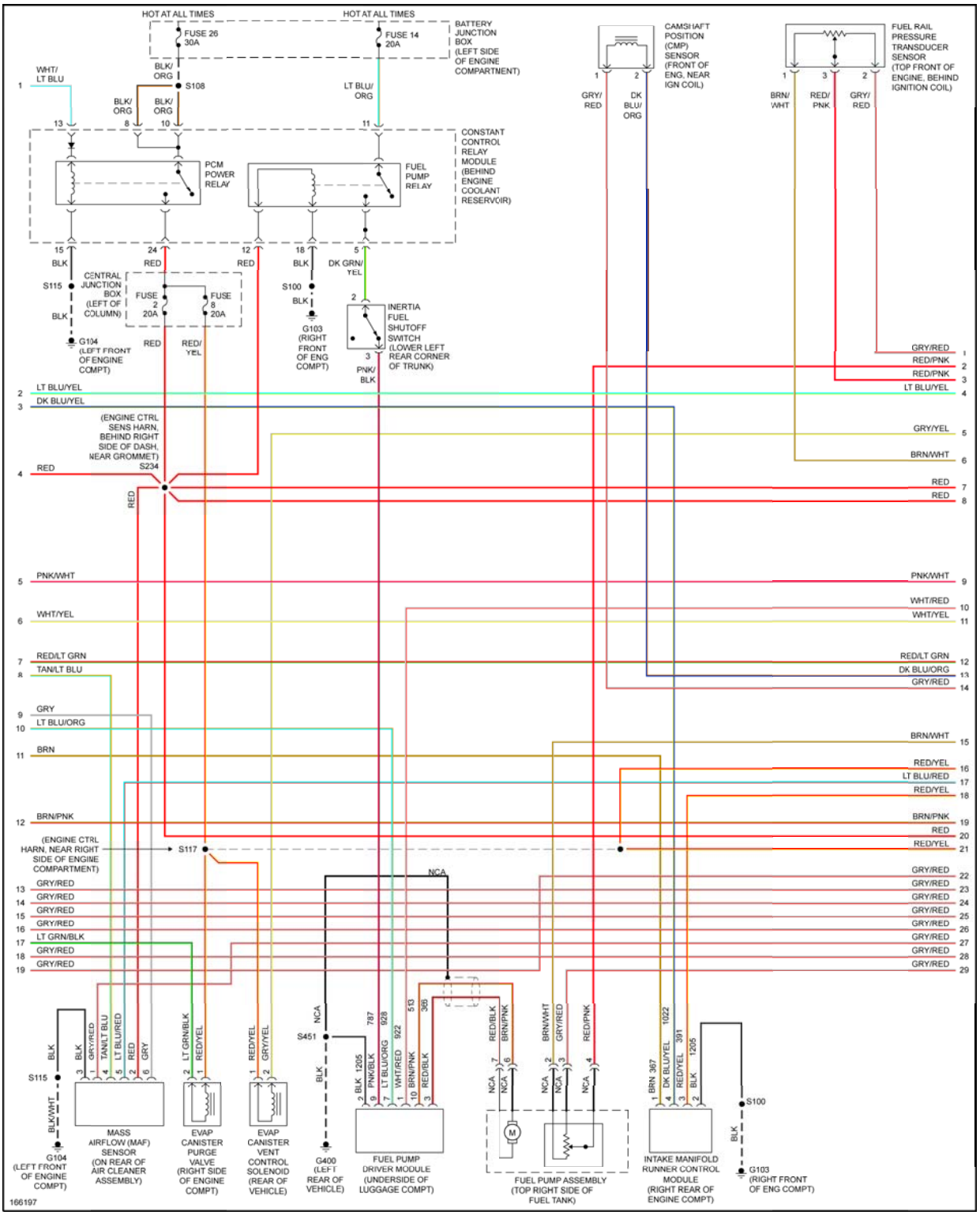
HOT AT ALL TIMES
HOT AT ALL TIMES
FUSE 26 30A
FUSE 14 20A
BATTERY JUNCTION BOX (LEFT SIDE OF ENGINE COMPARTMENT)
CAMSHAFT POSITION (CMP) SENSOR (FRONT OF ENG, NEAR IGN COIL)
FUEL RAIL PRESSURE TRANSDUCER SENSOR (TOP FRONT OF ENGINE, BEHIND IGNITION COIL)
CONSTANT CONTROL RELAY MODULE (BEHIND ENGINE COOLANT RESERVOIR)
PCM POWER RELAY
FUEL PUMP RELAY
CENTRAL JUNCTION BOX (LEFT OF COLUMN)
FUSE 2 20A
FUSE 8 20A
G104 (LEFT FRONT OF ENGINE COMPT)
G103 (RIGHT FRONT OF ENG COMPT)
INERTIA FUEL SHUTOFF SWITCH (LOWER LEFT REAR CORNER OF TRUNK)
(ENGINE CTRL SENS HARN, BEHIND RIGHT SIDE OF DASH, NEAR GROMMET)
(ENGINE CTRL HARN, NEAR RIGHT SIDE OF ENGINE COMPARTMENT)
MASS AIRFLOW (MAF) SENSOR (ON REAR OF AIR CLEANER ASSEMBLY)
EVAP CANISTER PURGE VALVE (RIGHT SIDE OF ENGINE COMPT)
EVAP CANISTER VENT CONTROL SOLENOID (REAR OF VEHICLE)
G400 (LEFT REAR OF VEHICLE)
FUEL PUMP DRIVER MODULE (UNDERSIDE OF LUGGAGE COMPT)
FUEL PUMP ASSEMBLY (TOP RIGHT SIDE OF FUEL TANK)
INTAKE MANIFOLD RUNNER CONTROL MODULE (RIGHT REAR OF ENGINE COMPT)
166197

Fig. 12: 3.8L, Engine Performance Circuit (2 of 3)

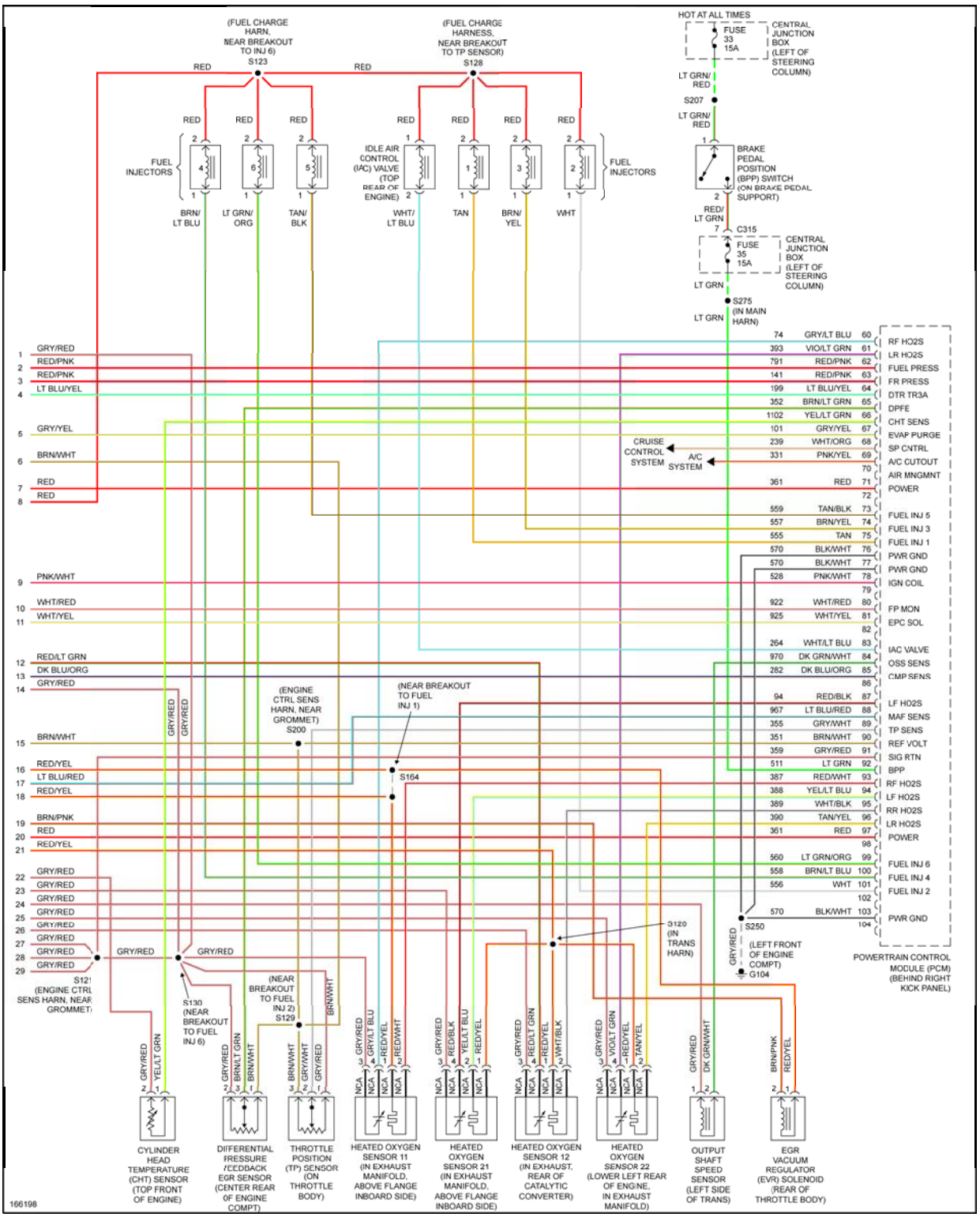

Fig. 13: 3.8L, Engine Performance Circuit (3 of 3)

4.6L DOHC

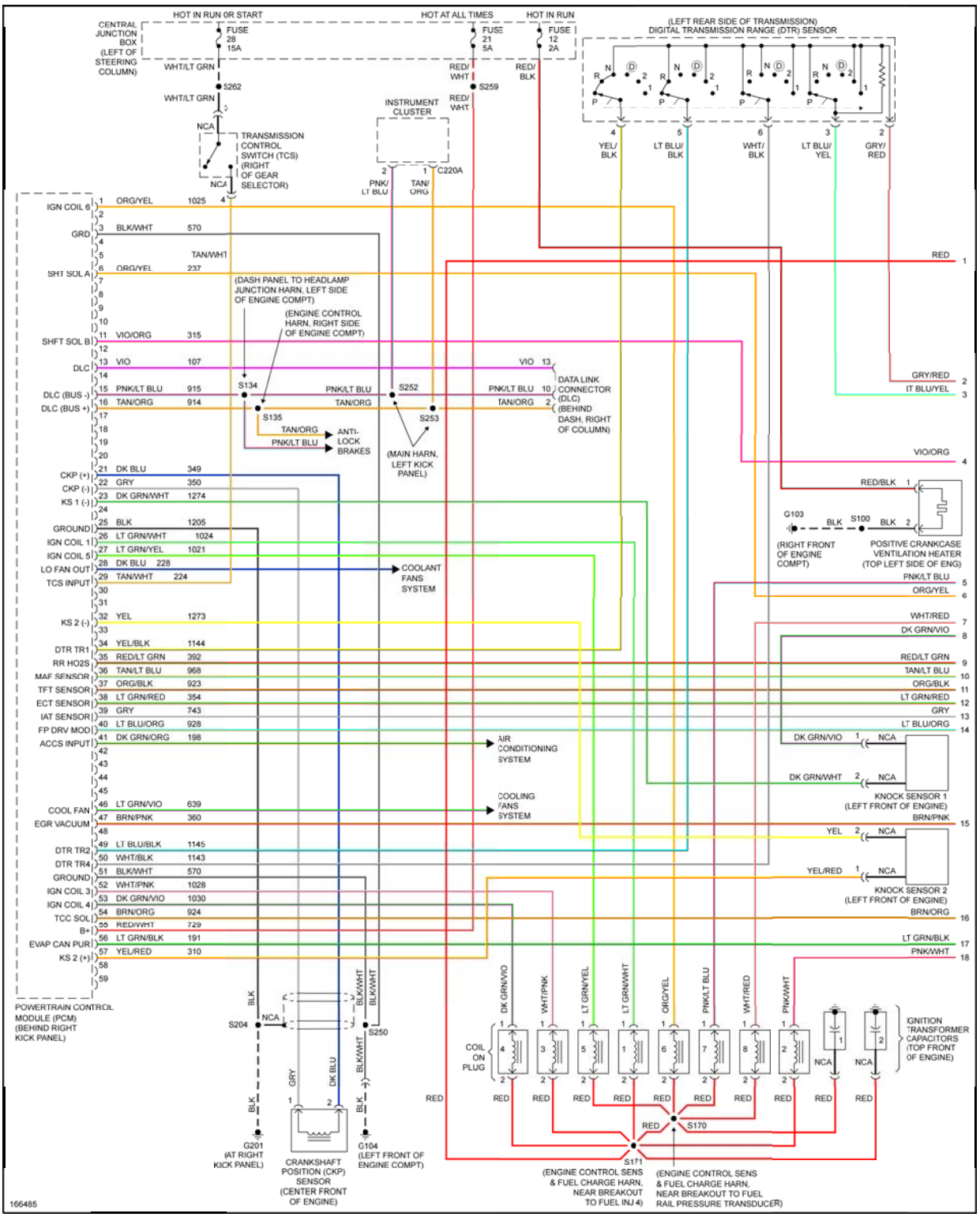
HOT IN RUN OR START
HOT AT ALL TIMES
HOT IN RUN
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
FUSE 28 15A
FUSE 21 5A
FUSE 12 2A
(LEFT REAR SIDE OF TRANSMISSION)
DIGITAL TRANSMISSION RANGE (DTR) SENSOR
INSTRUMENT CLUSTER
TRANSMISSION CONTROL SWITCH (TCS) (RIGHT OF GEAR SELECTOR)
(DASH PANEL TO HEADLAMP JUNCTION HARN, LEFT SIDE OF ENGINE COMPT)
(ENGINE CONTROL HARN, RIGHT SIDE OF ENGINE COMPT)
(MAIN HARN, LEFT KICK PANEL)
DATA LINK CONNECTOR (DLC) (BEHIND DASH, RIGHT OF COLUMN)
ANTI-LOCK BRAKES
COOLANT FANS SYSTEM
AIR CONDITIONING SYSTEM
COOLING FANS SYSTEM
KNOCK SENSOR 1 (LEFT FRONT OF ENGINE)
KNOCK SENSOR 2 (LEFT FRONT OF ENGINE)
POSITIVE CRANKCASE VENTILATION HEATER (TOP LEFT SIDE OF ENG)
(RIGHT FRONT OF ENGINE COMPT)
POWERTRAIN CONTROL MODULE (PCM) (BEHIND RIGHT KICK PANEL)
CRANKSHAFT POSITION (CKP) SENSOR (CENTER FRONT OF ENGINE)
(AT RIGHT KICK PANEL)
(LEFT FRONT OF ENGINE COMPT)
COIL ON PLUG
IGNITION TRANSFORMER CAPACITORS (TOP FRONT OF ENGINE)
(ENGINE CONTROL SENS & FUEL CHARGE HARN, NEAR BREAKOUT TO FUEL INJ 4)
(ENGINE CONTROL SENS & FUEL CHARGE HARN, NEAR BREAKOUT TO FUEL RAIL PRESSURE TRANSDUCER)
166485

Fig. 14: 4.6L DOHC, Engine Performance Circuit (1 of 3)

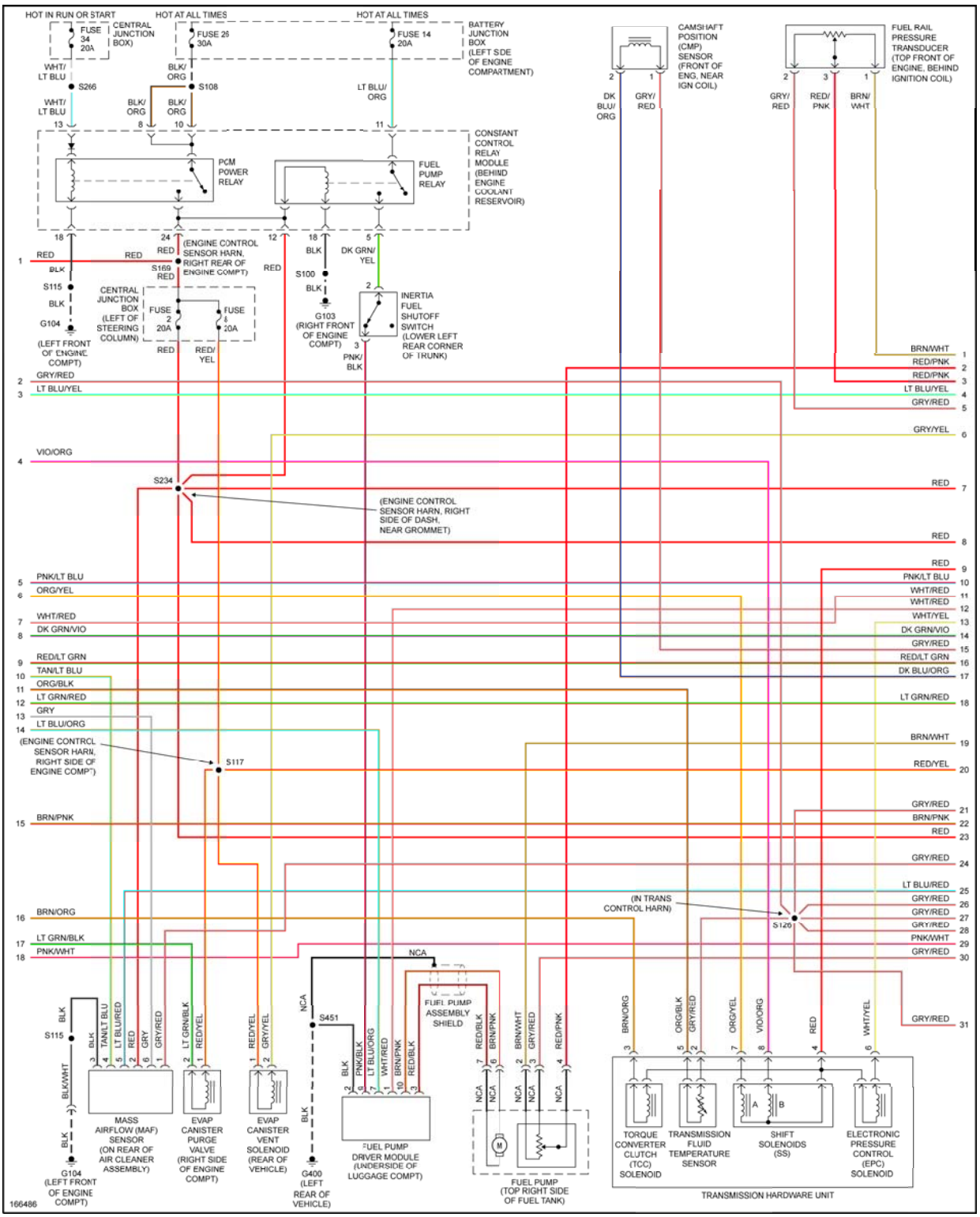
HOT IN RUN OR START
HOT AT ALL TIMES
HOT AT ALL TIMES
CENTRAL JUNCTION BOX)
FUSE 34 20A
FUSE 26 30A
FUSE 14 20A
BATTERY JUNCTION BOX (LEFT SDE OF ENGINE COMPARTMENT)
CAMSHAFT POSITION (CMP) SENSOR (FRONT OF ENG, NEAR IGN COIL)
FUEL RAIL PRESSURE TRANSDUCER (TOP FRONT OF ENGINE, BEHIND IGNITION COIL)
CONSTANT CONTROL RELAY MODULE (BEHIND ENGINE COOLANT RESERVOIR)
PCM POWER RELAY
FUEL PUMP RELAY
(ENGINE CONTROL SENSOR HARN, RIGHT REAR OF ENGINE COMPT)
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
(LEFT FRONT OF ENGINE COMPT)
G103 (RIGHT FRONT OF ENGINE COMPT)
INERTIA FUEL SHUTOFF SWITCH (LOWER LEFT REAR CORNER OF TRUNK)
(ENGINE CONTROL SENSOR HARN, RIGHT SIDE OF DASH, NEAR GROMMET)
(ENGINE CONTRCL SENSOR HARN, RIGHT SIDE OF ENGINE COMPT)
(IN TRANS CONTROL HARN)
FUEL PUMP ASSEMBLY SHIELD
MASS AIRFLOW (MAF) SENSOR (ON REAR OF AIR CLEANER ASSEMBLY)
EVAP CANISTER PURGE VALVE (RIGHT SIDE OF ENGINE COMPT)
EVAP CANISTER VENT SOLENOID (REAR OF VEHICLE)
FUEL PUMP DRIVER MODULE (UNDERSIDE OF LUGGAGE COMPT)
FUEL PUMP (TOP RIGHT SIDE OF FUEL TANK)
TORQUE CONVERTER CLUTCH (TCC) SOLENOID
TRANSMISSION FLUID TEMPERATURE SENSOR
SHIFT SOLENOIDS (SS)
ELECTRONIC PRESSURE CONTROL (EPC) SOLENOID
TRANSMISSION HARDWARE UNIT
G104 (LEFT FRONT OF ENGINE COMPT)
G400 (LEFT REAR OF VEHICLE)
166486

Fig. 15: 4.6L DOHC, Engine Performance Circuit (2 of 3)

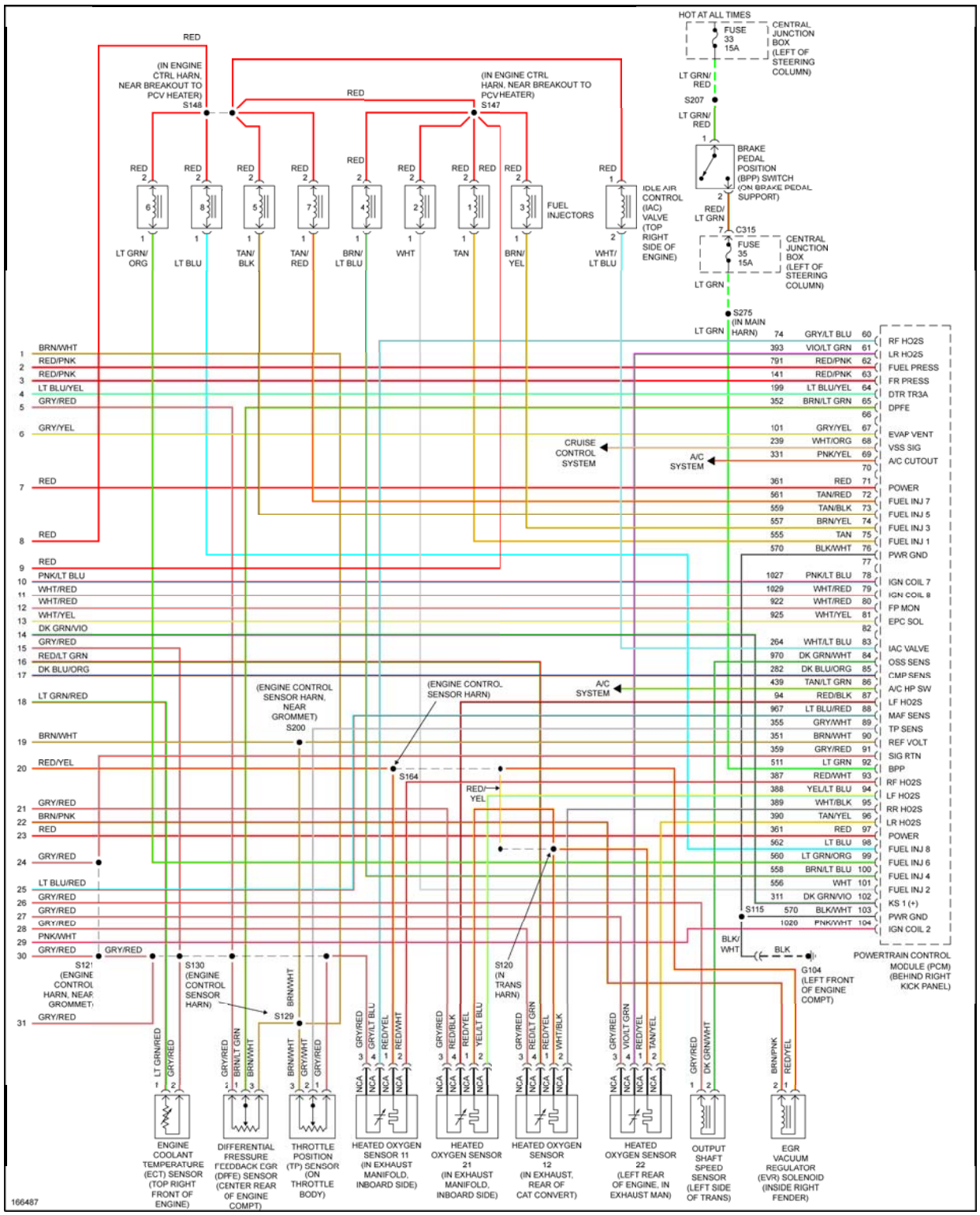
HOT AT ALL TIMES
FUSE 33 15A
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
LT GRN/ RED
S207
BRAKE PEDAL POSITION (BPP) SWITCH (ON BRAKE PEDAL SUPPORT)
RED/ LT GRN
C315
FUSE 35 15A
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
LT GRN
S275 (IN MAIN HARN)
(IN ENGINE CTRL HARN, NEAR BREAKOUT TO PCV HEATER) S148
(IN ENGINE CTRL HARN, NEAR BREAKOUT TO PCV HEATER) S147
FUEL INJECTORS
IDLE AIR CONTROL (IAC) VALVE (TOP RIGHT SIDE OF ENGINE)
LT GRN/ ORG
LT BLU
TAN/ BLK
TAN/ RED
BRN/ LT BLU
WHT
TAN
BRN/ YEL
WHT/ LT BLU
CRUISE CONTROL SYSTEM
A/C SYSTEM
(ENGINE CONTROL SENSOR HARN, NEAR GROMMET) S200
(ENGINE CONTRO. SENSOR HARN)
S164
S120 (IN TRANS HARN)
S115
G104 (LEFT FRONT OF ENGINE COMPT)
POWERTRAIN CONTROL MODULE (PCM) (BEHIND RIGHT KICK PANEL)
ENGINE COOLANT TEMPERATURE (ECT) SENSOR (TOP RIGHT FRONT OF ENGINE)
DIFFERENTIAL PRESSURE FEEDBACK EGR (DPFE) SENSOR (CENTER REAR OF ENGINE COMPT)
THROTTLE POSITION (TP) SENSOR (ON THROTTLE BODY)
HEATED OXYGEN SENSOR 11 (IN EXHAUST MANIFOLD, INBOARD SIDE)
HEATED OXYGEN SENSOR 21 (IN EXHAUST MANIFOLD, INBOARD SIDE)
HEATED OXYGEN SENSOR 12 (IN EXHAUST, REAR OF CAT CONVERT)
HEATED OXYGEN SENSOR 22 (LEFT REAR OF ENGINE, IN EXHAUST MAN)
OUTPUT SHAFT SPEED SENSOR (LEFT SIDE OF TRANS)
EGR VACUUM REGULATOR (EVR) SOLENOID (INSIDE RIGHT FENDER)
166487

Fig. 16: 4.6L DOHC, Engine Performance Circuit (3 of 3)

4.6L SC

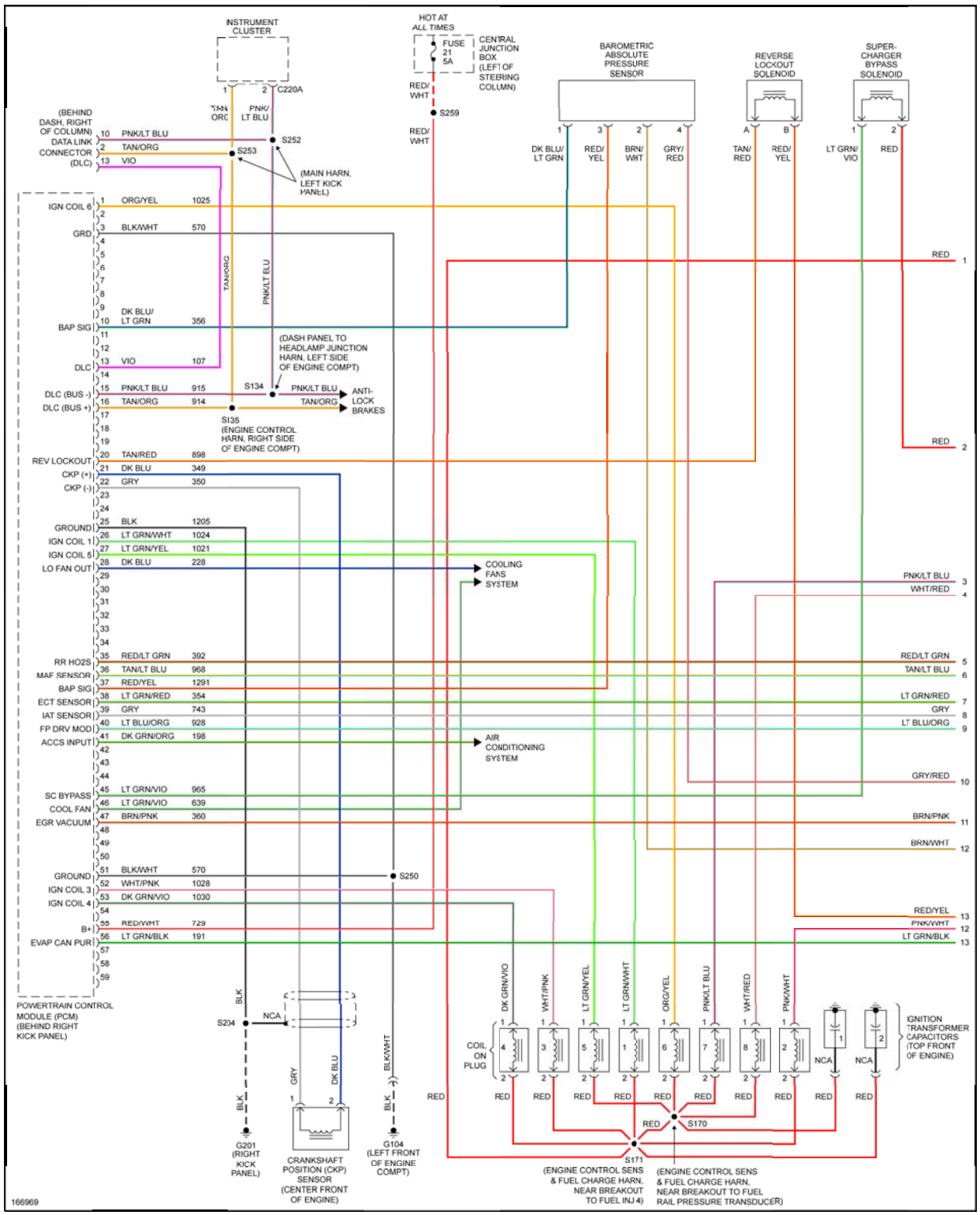

Fig. 17: 4.6L SC, Engine Performance Circuit (1 of 3)

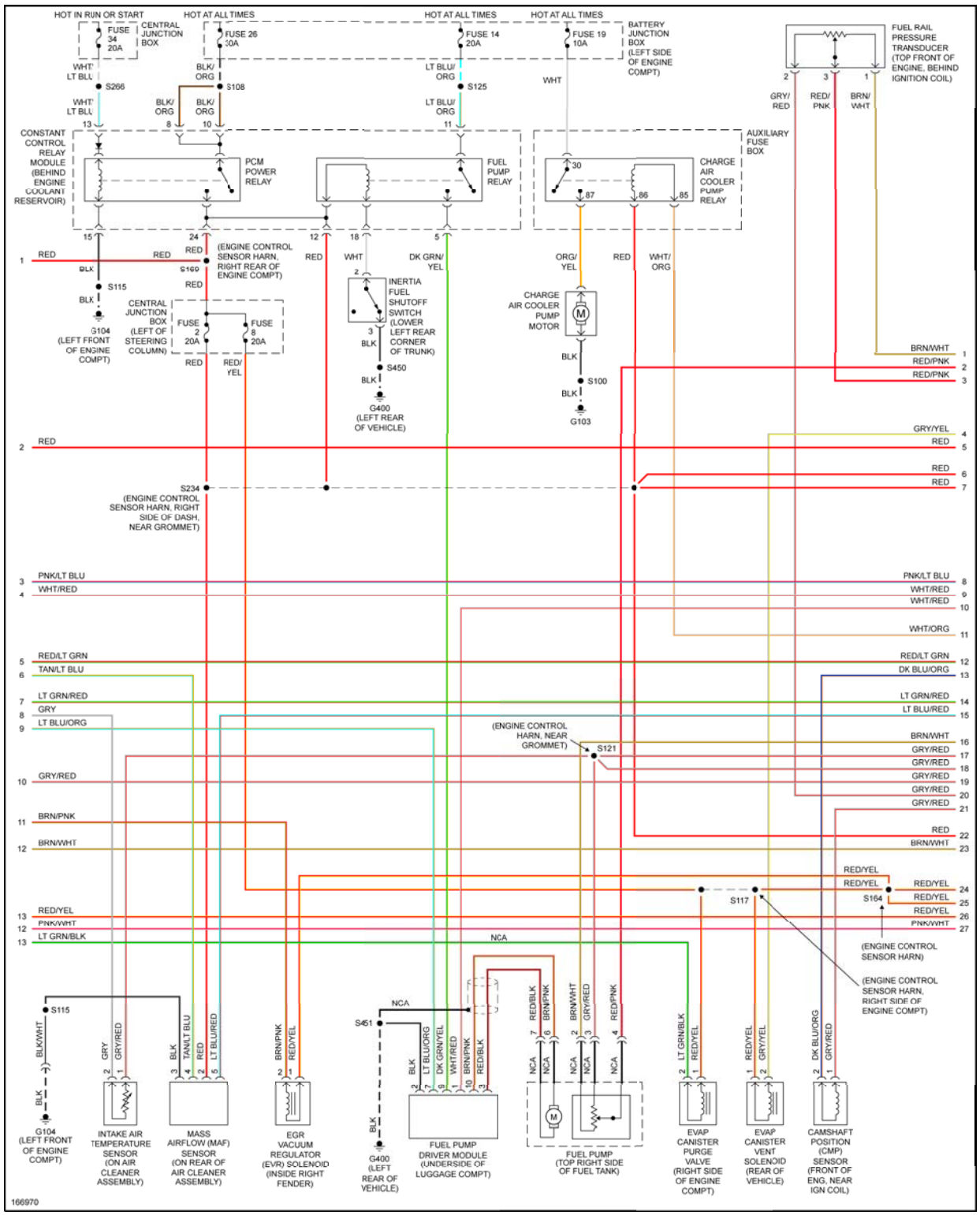
HOT IN RUN OR START
HOT AT ALL TIMES
HOT AT ALL TIMES
HOT AT ALL TIMES
CENTRAL JUNCTION BOX
FUSE 34 20A
FUSE 26 10A
FUSE 14 20A
FUSE 19 10A
BATTERY JUNCTION BOX (LEFT SIDE OF ENGINE COMPT)
FUEL RAIL PRESSURE TRANSDUCER (TOP FRONT OF ENGINE, BEHIND IGNITION COIL)
CONSTANT CONTROL RELAY MODULE (BEHIND ENGINE COOLANT RESERVOIR)
PCM POWER RELAY
FUEL PUMP RELAY
AUXILIARY FUSE BOX
CHARGE AIR COOLER PUMP RELAY
(ENGINE CONTROL SENSOR HARN, RIGHT REAR OF ENGINE COMPT)
INERTIA FUEL SHUTOFF SWITCH (LOWER LEFT REAR CORNER OF TRUNK)
CHARGE AIR COOLER PUMP MOTOR
G104 (LEFT FRONT OF ENGINE COMPT)
G400 (LEFT REAR OF VEHICLE)
G103
S234 (ENGINE CONTROL SENSOR HARN, RIGHT SIDE OF DASH, NEAR GROMMET)
(ENGINE CONTROL HARN, NEAR GROMMET)
S121
S117
S164
(ENGINE CONTROL SENSOR HARN)
(ENGINE CONTROL SENSOR HARN, RIGHT SIDE OF ENGINE COMPT)
INTAKE AIR TEMPERATURE SENSOR (ON AIR CLEANER ASSEMBLY)
MASS AIRFLOW (MAF) SENSOR (ON REAR OF AIR CLEANER ASSEMBLY)
EGR VACUUM REGULATOR (EVR) SOLENOID (INSIDE RIGHT FENDER)
FUEL PUMP DRIVER MODULE (UNDERSIDE OF LUGGAGE COMPT)
FUEL PUMP (TOP RIGHT SIDE OF FUEL TANK)
EVAP CANISTER PURGE VALVE (RIGHT SIDE OF ENGINE COMPT)
EVAP CANISTER VENT SOLENOID (REAR OF VEHICLE)
CAMSHAFT POSITION (CMP) SENSOR (FRONT OF ENG, NEAR IGN COIL)
NCA
166970

Fig. 18: 4.6L SC, Engine Performance Circuit (2 of 3)

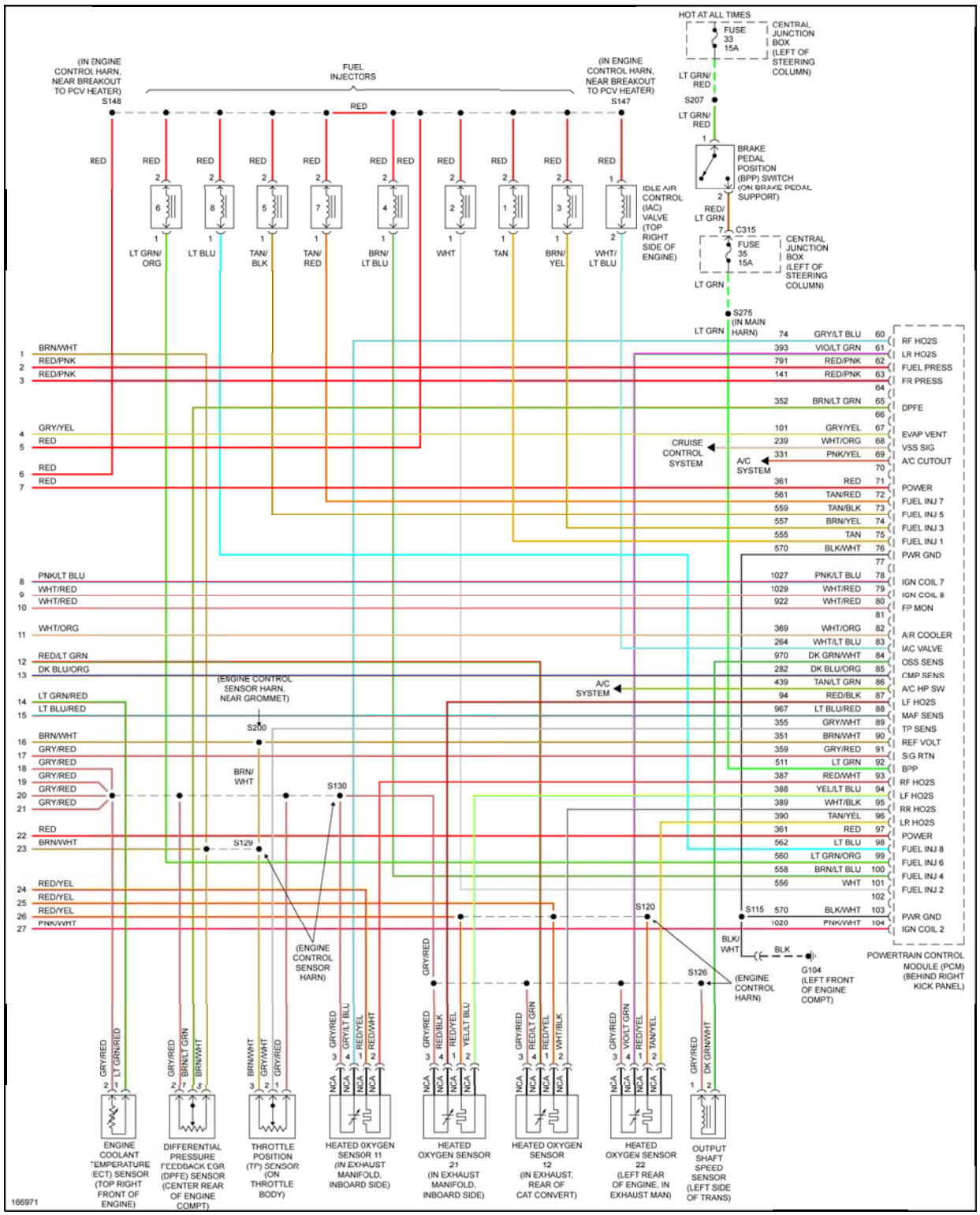
HOT AT ALL TIMES
FUSE 33 15A
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
LT GRN/ RED
S207
BRAKE PEDAL POSITION (BPP) SWITCH (ON BRAKE PEDAL SUPPORT)
RED/ LT GRN
C315
FUSE 35 15A
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
LT GRN
S275 (IN MAIN HARN)
(IN ENGINE CONTROL HARN, NEAR BREAKOUT TO PCV HEATER) S148
FUEL INJECTORS
(IN ENGINE CONTROL HARN, NEAR BREAKOUT TO PCV HEATER) S147
IDLE AIR CONTROL (IAC) VALVE (TOP RIGHT SIDE OF ENGINE)
LT GRN/ ORG
LT BLU
TAN/ BLK
TAN/ RED
BRN/ LT BLU
WHT
TAN
BRN/ YEL
WHT/ LT BLU
CRUISE CONTROL SYSTEM
A/C SYSTEM
(ENGINE CONTROL SENSOR HARN, NEAR GROMMET)
S200
S130
S129
BRN/ WHT
(ENGINE CONTROL SENSOR HARN)
S120
S115
S126
(ENGINE CONTROL HARN)
G104 (LEFT FRONT OF ENGINE COMPT)
POWERTRAIN CONTROL MODULE (PCM) (BEHIND RIGHT KICK PANEL)
ENGINE COOLANT TEMPERATURE (ECT) SENSOR (TOP RIGHT FRONT OF ENGINE)
DIFFERENTIAL PRESSURE FEEDBACK EGR (DPFE) SENSOR (CENTER REAR OF ENGINE COMPT)
THROTTLE POSITION (TP) SENSOR (ON THROTTLE BODY)
HEATED OXYGEN SENSOR 11 (IN EXHAUST MANIFOLD, INBOARD SIDE)
HEATED OXYGEN SENSOR 21 (IN EXHAUST MANIFOLD, INBOARD SIDE)
HEATED OXYGEN SENSOR 12 (IN EXHAUST, REAR OF CAT CONVERT)
HEATED OXYGEN SENSOR 22 (LEFT REAR OF ENGINE, IN EXHAUST MAN)
OUTPUT SHAFT SPEED SENSOR (LEFT SIDE OF TRANS)
166971

Fig. 19: 4.6L SC, Engine Performance Circuit (3 of 3)

4.6L SOHC

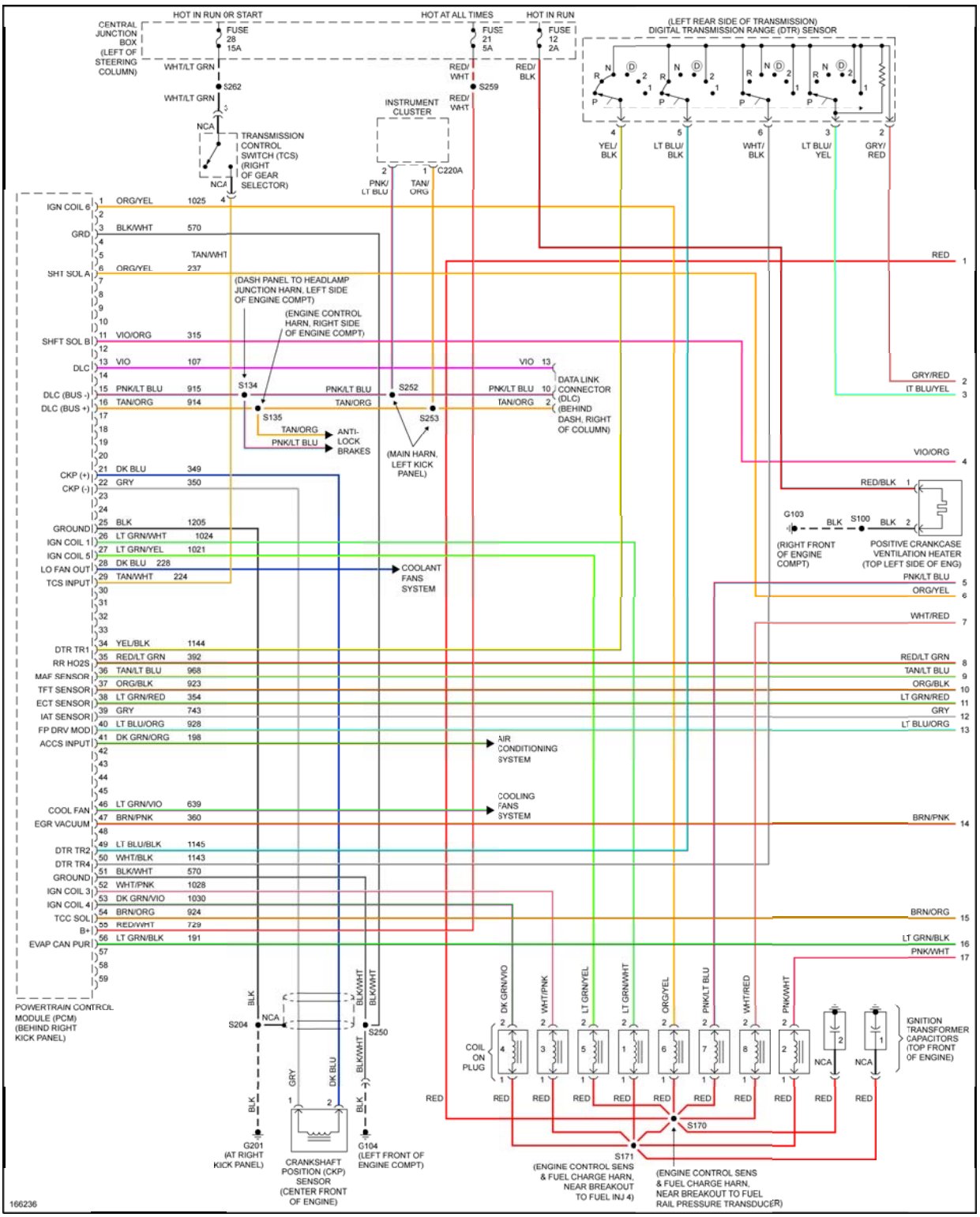
HOT IN RUN OR START
HOT AT ALL TIMES
HOT IN RUN
CENTRAL JUNCTION BOX (LEFT OF STEERING COLUMN)
FUSE 28 15A
FUSE 21 5A
FUSE 12 2A
(LEFT REAR SIDE OF TRANSMISSION)
DIGITAL TRANSMISSION RANGE (DTR) SENSOR
INSTRUMENT CLUSTER
TRANSMISSION CONTROL SWITCH (TCS) (RIGHT OF GEAR SELECTOR)
(DASH PANEL TO HEADLAMP JUNCTION HARN, LEFT SIDE OF ENGINE COMPT)
(ENGINE CONTROL HARN, RIGHT SIDE OF ENGINE COMPT)
(MAIN HARN, LEFT KICK PANEL)
DATA LINK CONNECTOR (DLC) (BEHIND DASH, RIGHT OF COLUMN)
ANTI-LOCK BRAKES
COOLANT FANS SYSTEM
AIR CONDITIONING SYSTEM
COOLING FANS SYSTEM
POWERTRAIN CONTROL MODULE (PCM) (BEHIND RIGHT KICK PANEL)
(RIGHT FRONT OF ENGINE COMPT)
POSITIVE CRANKCASE VENTILATION HEATER (TOP LEFT SIDE OF ENG)
COIL ON PLUG
IGNITION TRANSFORMER CAPACITORS (TOP FRONT OF ENGINE)
CRANKSHAFT POSITION (CKP) SENSOR (CENTER FRONT OF ENGINE)
(LEFT FRONT OF ENGINE COMPT)
(IAT RIGHT KICK PANEL)
(ENGINE CONTROL SENS & FUEL CHARGE HARN, NEAR BREAKOUT TO FUEL INJ 4)
(ENGINE CONTROL SENS & FUEL CHARGE HARN, NEAR BREAKOUT TO FUEL RAIL PRESSURE TRANSDUCER)
166236

Fig. 20: 4.6L SOHC, Engine Performance Circuit (1 of 3)

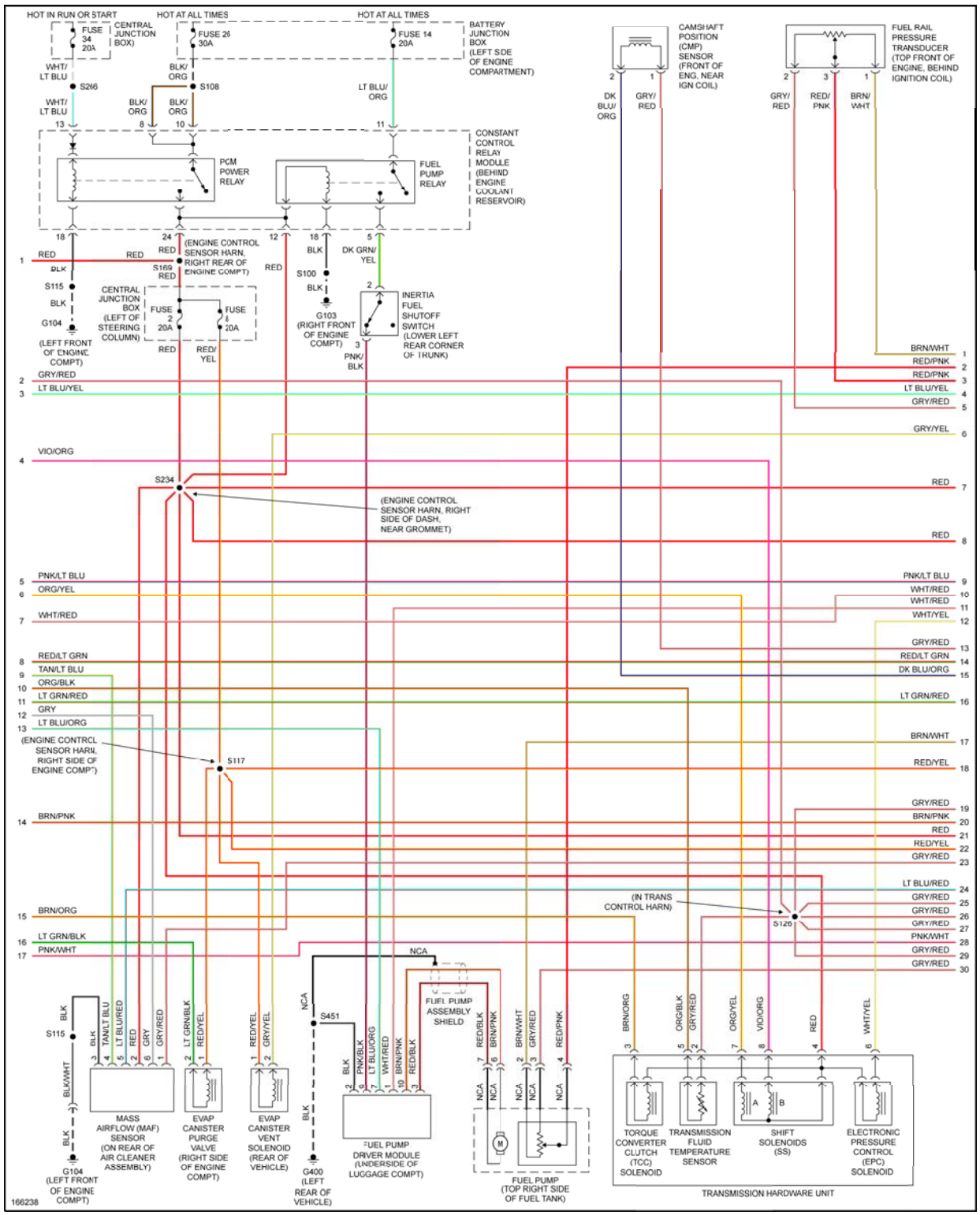

Fig. 21: 4.6L SOHC, Engine Performance Circuit (2 of 3)

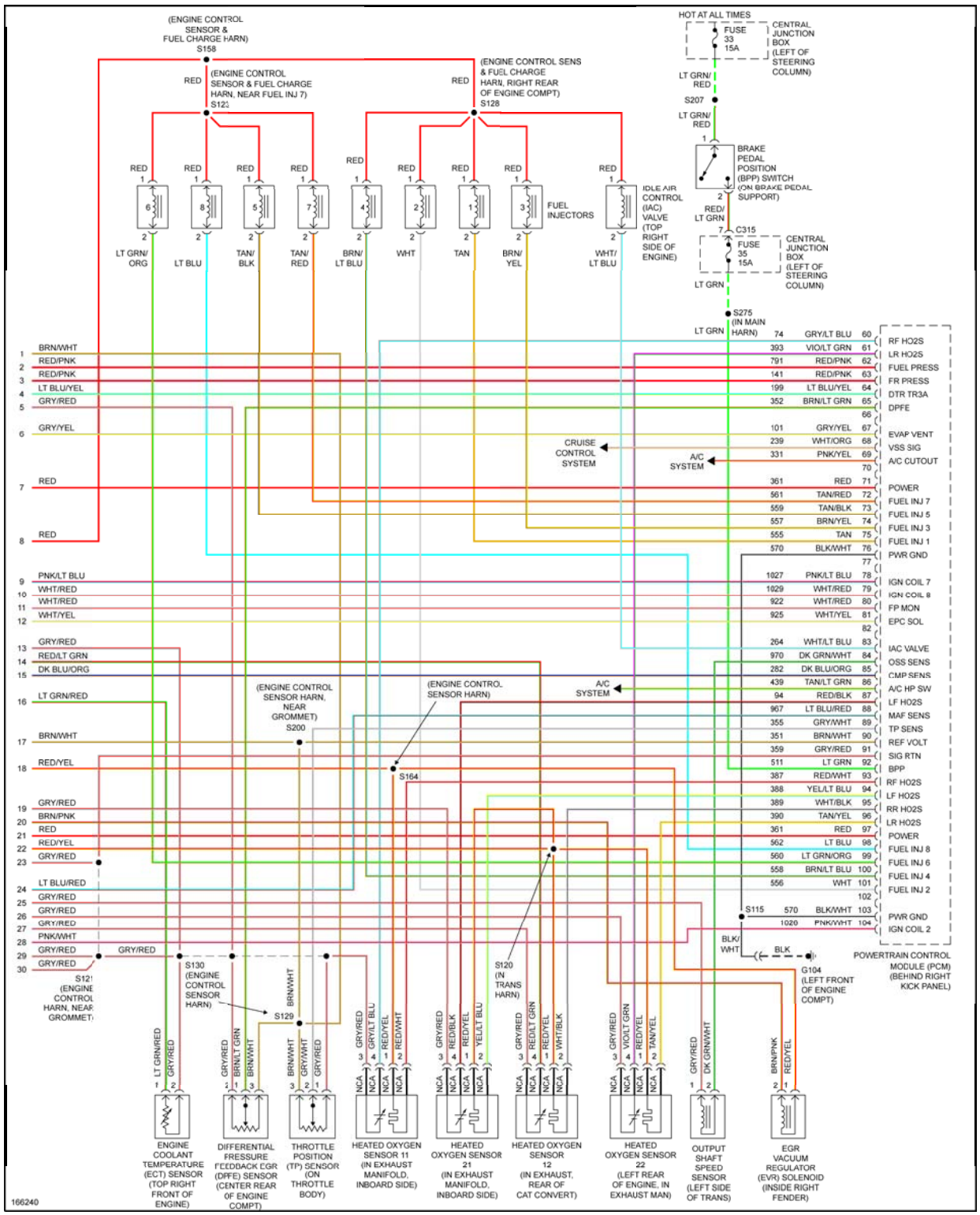

Fig. 22: 4.6L SOHC, Engine Performance Circuit (3 of 3)

EXTERIOR LIGHTS

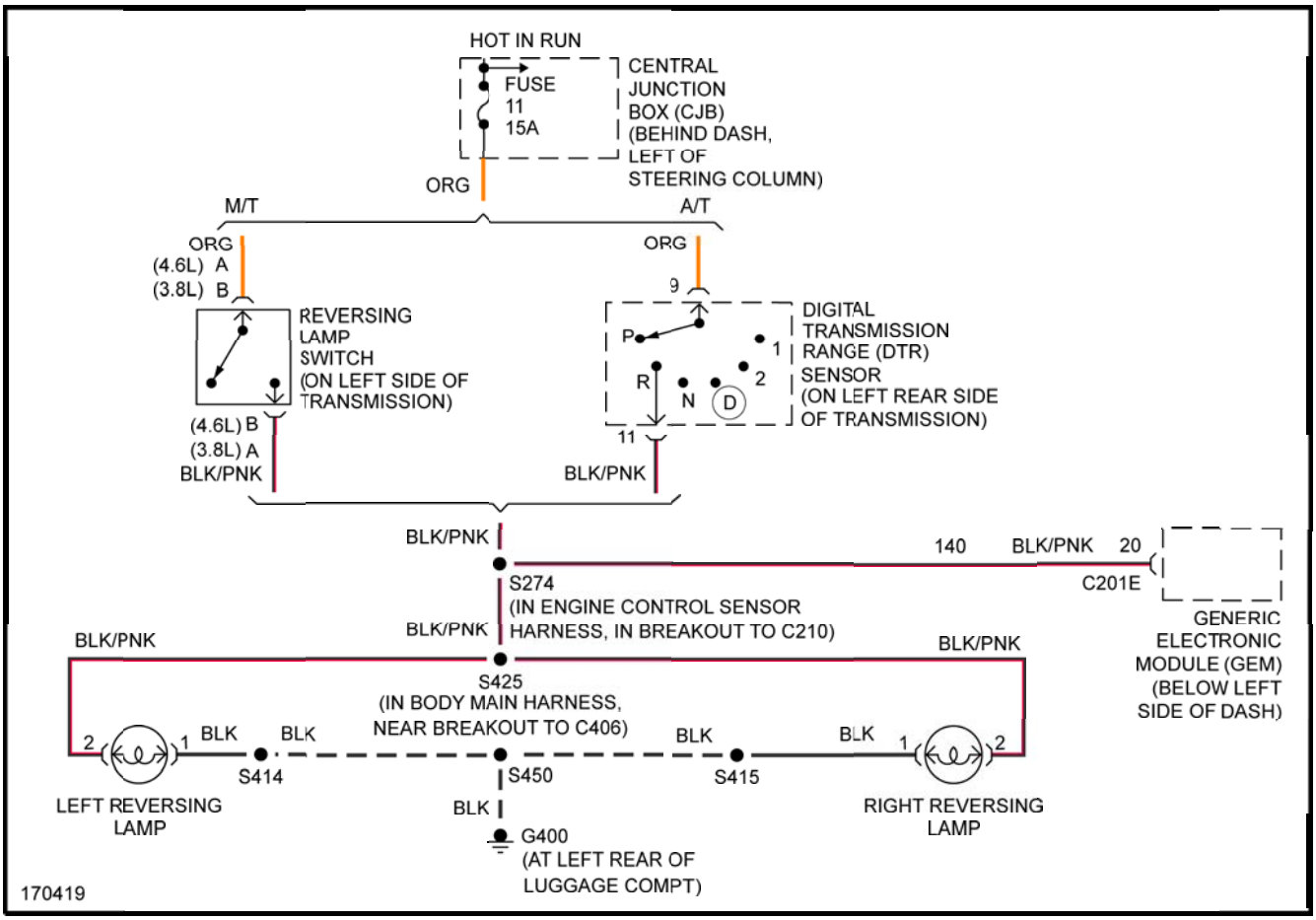

Fig. 23: Back-up Lamps Circuit

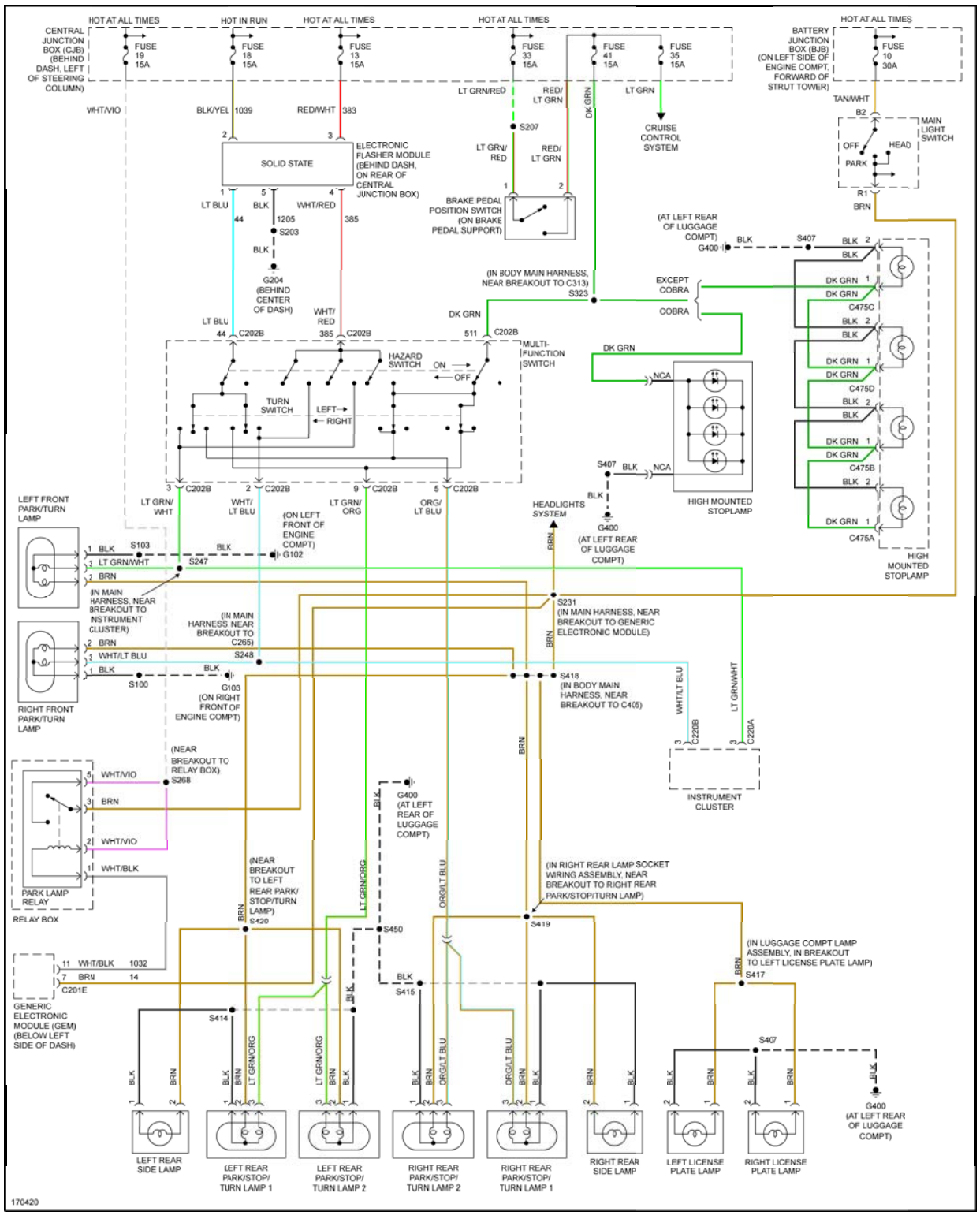

Fig. 24: Exterior Lamps Circuit

GROUND DISTRIBUTION

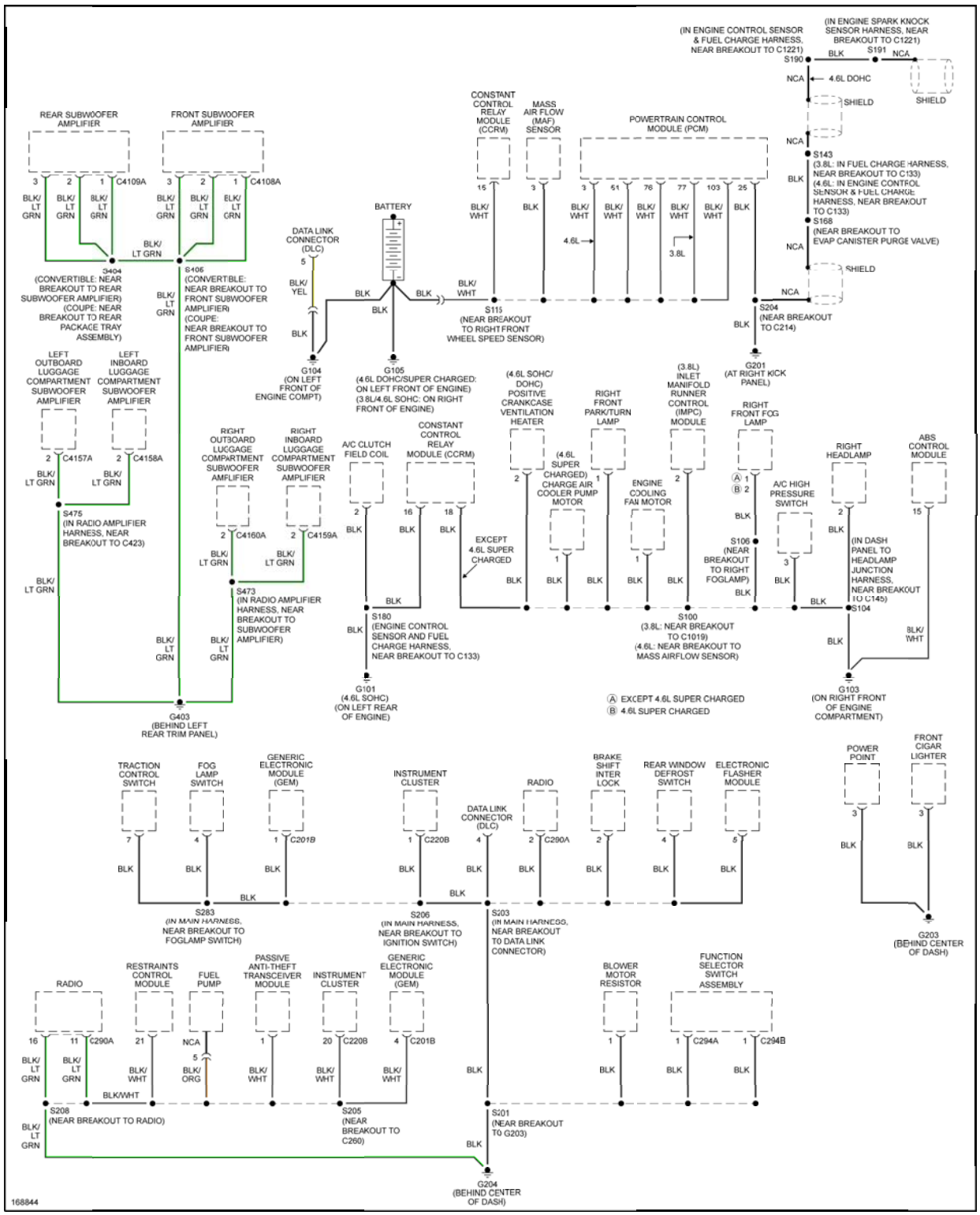

Fig. 25: Ground Distribution Circuit (1 of 2)

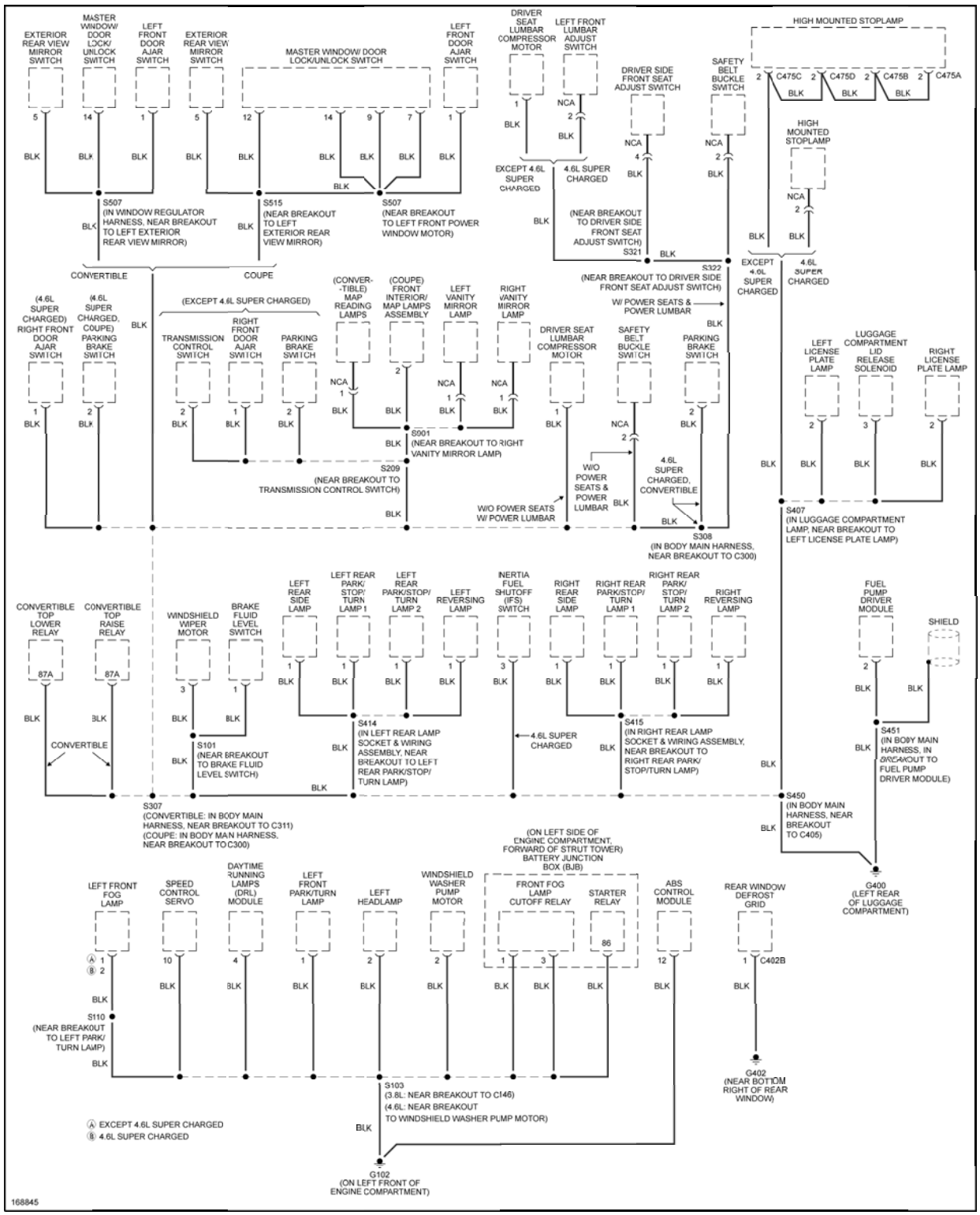
EXTERIOR REAR VIEW MIRROR SWITCH
MASTER WINDOW/ DOOR LOCK/ UNLOCK SWITCH
LEFT FRONT DOOR AJAR SWITCH
EXTERIOR REAR VIEW MIRROR SWITCH
MASTER WINDOW/ DOOR LOCK/UNLOCK SWITCH
LEFT FRONT DOOR AJAR SWITCH
DRIVER SEAT LUMBAR COMPRESSOR MOTOR
LEFT FRONT LUMBAR ADJUST SWITCH
DRIVER SIDE FRONT SEAT ADJUST SWITCH
SAFETY BELT BUCKLE SWITCH
HIGH MOUNTED STOPLAMP
C475C
C475D
C475B
C475A
HIGH MOUNTED STOPLAMP
EXCEPT 4.6L SUPER CHARGED
4.6L SUPER CHARGED
S507
(IN WINDOW REGULATOR HARNESS, NEAR BREAKOUT TO LEFT EXTERIOR REAR VIEW MIRROR)
S515
(NEAR BREAKOUT TO LEFT EXTERIOR REAR VIEW MIRROR)
S507
(NEAR BREAKOUT TO LEFT FRONT POWER WINDOW MOTOR)
(NEAR BREAKOUT TO DRIVER SIDE FRONT SEAT ADJUST SWITCH)
S321
S322
(NEAR BREAKOUT TO DRIVER SIDE FRONT SEAT ADJUST SWITCH)
EXCEPT 4.6L SUPER CHARGED
4.6L SUPER CHARGED
CONVERTIBLE
COUPE
(4.6L SUPER CHARGED) RIGHT FRONT DOOR AJAR SWITCH
(4.6L SUPER CHARGED, COUPE) PARKING BRAKE SWITCH
(EXCEPT 4.6L SUPER CHARGED)
TRANSMISSION CONTROL SWITCH
RIGHT FRONT DOOR AJAR SWITCH
PARKING BRAKE SWITCH
(CONVER--TIBLE) MAP READING LAMPS
(COUPE) FRONT INTERIOR/ MAP LAMPS ASSEMBLY
LEFT VANITY MIRROR LAMP
RIGHT VANITY MIRROR LAMP
S901
(NEAR BREAKOUT TO RIGHT VANITY MIRROR LAMP)
S209
(NEAR BREAKOUT TO TRANSMISSION CONTROL SWITCH)
DRIVER SEAT LUMBAR COMPRESSOR MOTOR
SAFETY BELT BUCKLE SWITCH
PARKING BRAKE SWITCH
W/ POWER SEATS & POWER LUMBAR
W/O POWER SEATS & W/ POWER LUMBAR
W/O POWER SEATS & POWER LUMBAR
4.6L SUPER CHARGED, CONVERTIBLE
S308
(IN BODY MAIN HARNESS, NEAR BREAKOUT TO C300)
LEFT LICENSE PLATE LAMP
LUGGAGE COMPARTMENT LID RELEASE SOLENOID
RIGHT LICENSE PLATE LAMP
S407
(IN LUGGAGE COMPARTMENT LAMP, NEAR BREAKOUT TO LEFT LICENSE PLATE LAMP)
CONVERTIBLE TOP LOWER RELAY
CONVERTIBLE TOP RAISE RELAY
WINDSHIELD WIPER MOTOR
BRAKE FLUID LEVEL SWITCH
CONVERTIBLE
S101
(NEAR BREAKOUT TO BRAKE FLUID LEVEL SWITCH)
LEFT REAR SIDE LAMP
LEFT REAR PARK/ STOP/ TURN LAMP 1
LEFT REAR PARK/STOP/ TURN LAMP 2
LEFT REVERSING LAMP
S414
(IN LEFT REAR LAMP SOCKET & WIRING ASSEMBLY, NEAR BREAKOUT TO LEFT REAR PARK/STOP/ TURN LAMP)
INERTIA FUEL SHUTOFF (IFS) SWITCH
4.6L SUPER CHARGED
RIGHT REAR SIDE LAMP
RIGHT REAR PARK/STOP/ TURN LAMP 1
RIGHT REAR PARK/ STOP/ TURN LAMP 2
RIGHT REVERSING LAMP
S415
(IN RIGHT REAR LAMP SOCKET & WIRING ASSEMBLY, NEAR BREAKOUT TO RIGHT REAR PARK/ STOP/TURN LAMP)
FUEL PUMP DRIVER MODULE
SHIELD
S451
(IN BODY MAIN HARNESS, IN BREAKOUT TO FUEL PUMP DRIVER MODULE)
S307
(CONVERTIBLE: IN BODY MAIN HARNESS, NEAR BREAKOUT TO C311)
(COUPE: IN BODY MAN HARNESS, NEAR BREAKOUT TO C300)
S450
(IN BODY MAIN HARNESS, NEAR BREAKOUT TO C405)
G400
(LEFT REAR OF LUGGAGE COMPARTMENT)
(ON LEFT SIDE OF ENGINE COMPARTMENT, FORWARD OF STRUT TOWER)
BATTERY JUNCTION BOX (BJB)
LEFT FRONT FOG LAMP
SPEED CONTROL SERVO
DAYTIME RUNNING LAMPS (DRL) MODULE
LEFT FRONT PARK/TURN LAMP
LEFT HEADLAMP
WINDSHIELD WASHER PUMP MOTOR
FRONT FOG LAMP CUTOFF RELAY
STARTER RELAY
ABS CONTROL MODULE
REAR WINDOW DEFROST GRID
C402B
S110
(NEAR BREAKOUT TO LEFT PARK/ TURN LAMP)
S103
(3.8L: NEAR BREAKOUT TO C146)
(4.6L: NEAR BREAKOUT TO WINDSHIELD WASHER PUMP MOTOR)
G102
(ON LEFT FRONT OF ENGINE COMPARTMENT)
G402
(NEAR BOTTOM RIGHT OF REAR WINDOW)
A EXCEPT 4.6L SUPER CHARGED
B 4.6L SUPER CHARGED
168845

Fig. 26: Ground Distribution Circuit (2 of 2)

HEADLIGHTS

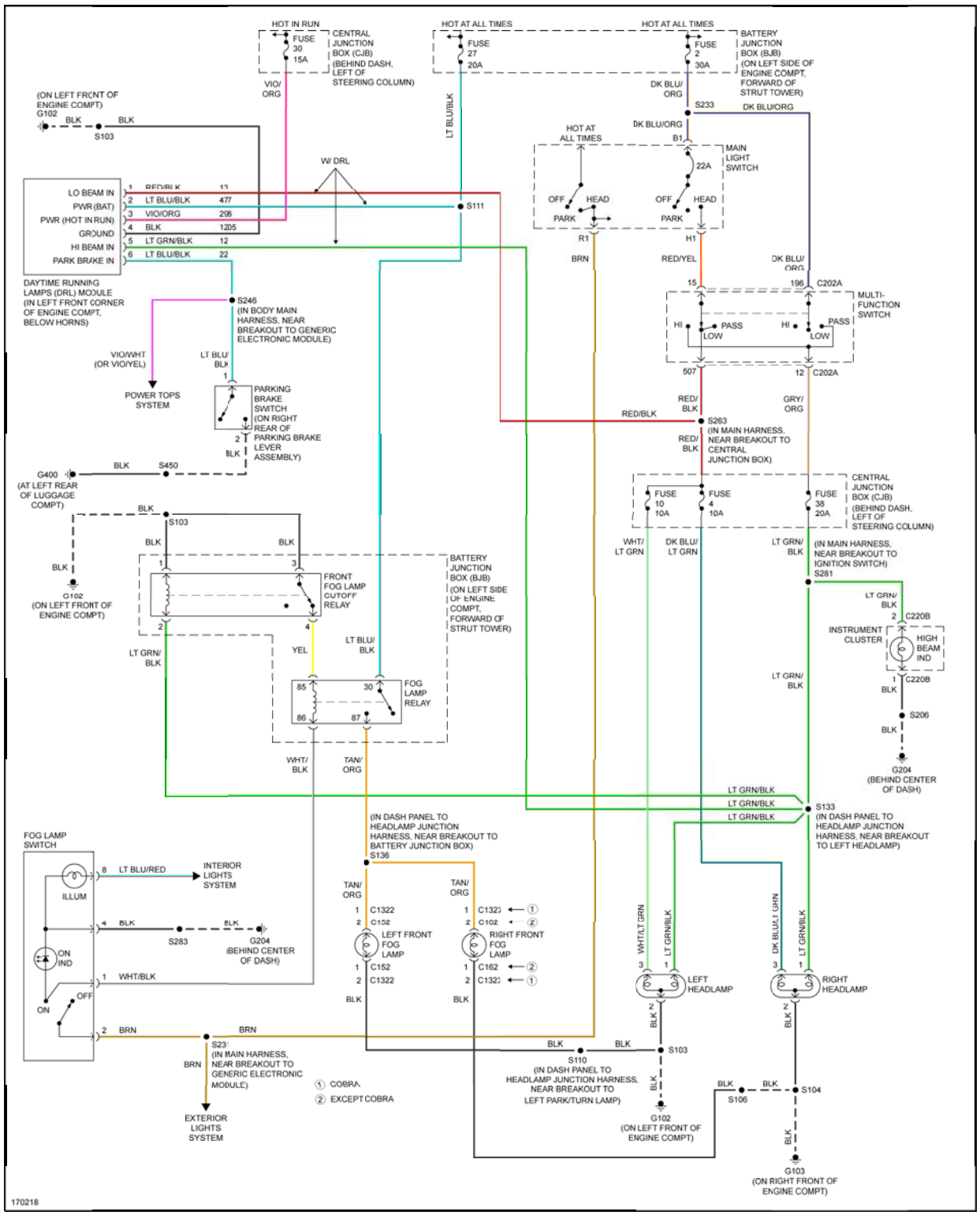

Fig. 27: Headlights Circuit

HORN

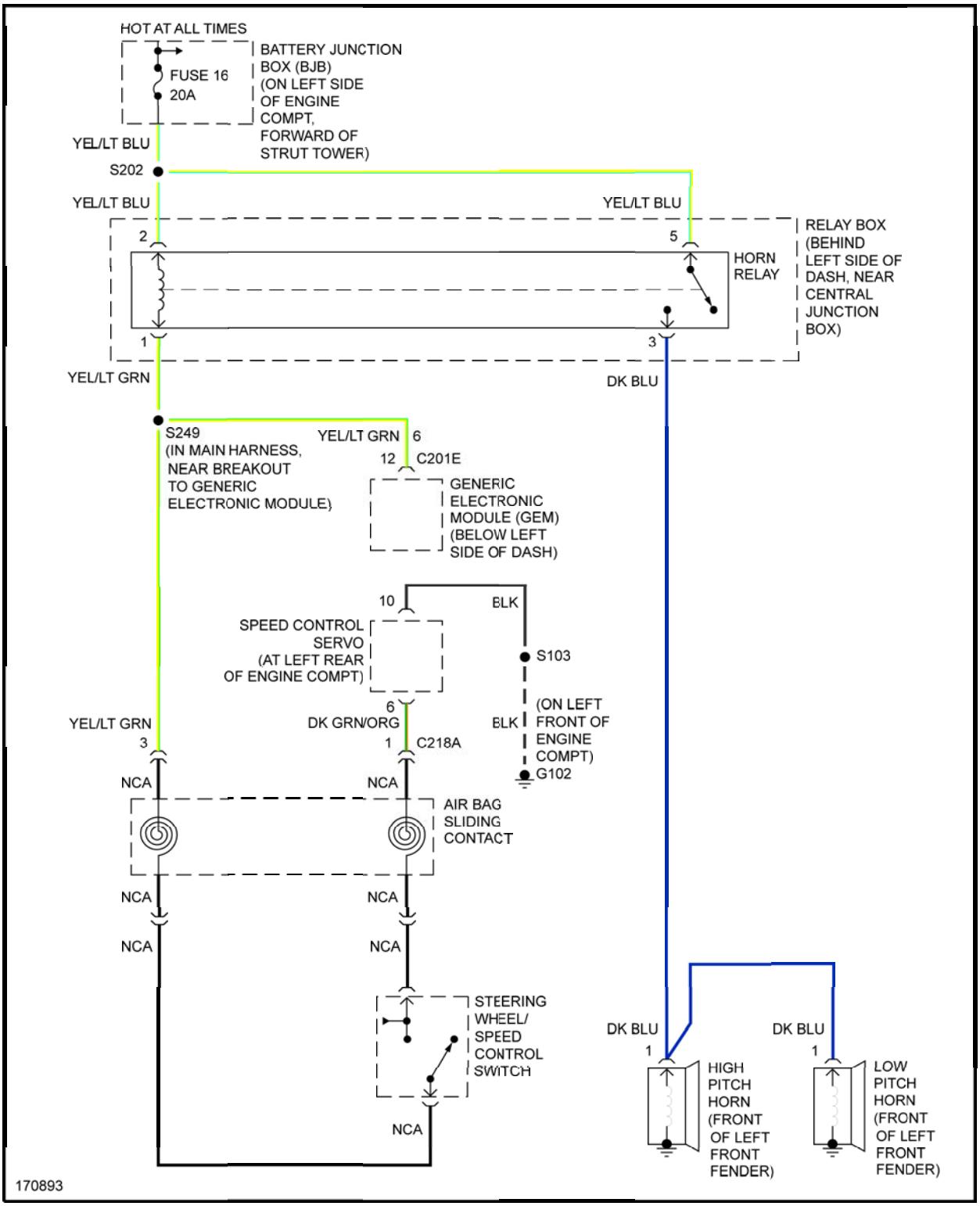

Fig. 28: Horn Circuit

INSTRUMENT CLUSTER

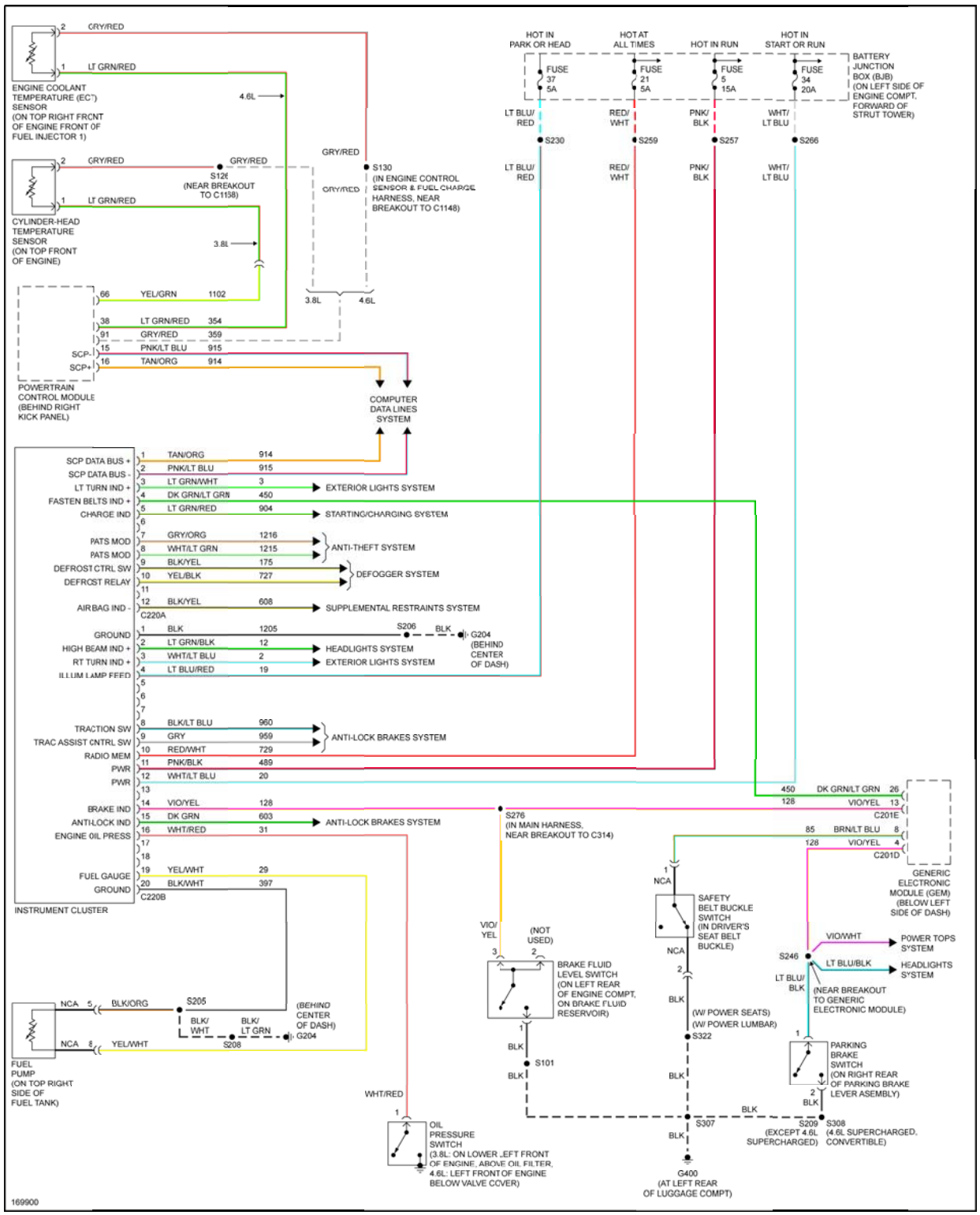
ENGINE COOLANT TEMPERATURE (ECT) SENSOR (ON TOP RIGHT FRONT OF ENGINE FRONT OF FUEL INJECTOR 1)
CYLINDER-HEAD TEMPERATURE SENSOR (ON TOP FRONT OF ENGINE)
POWERTRAIN CONTROL MODULE (BEHIND RIGHT KICK PANEL)
COMPUTER DATA LINES SYSTEM
INSTRUMENT CLUSTER
FUEL PUMP (ON TOP RIGHT SIDE OF FUEL TANK)
BATTERY JUNCTION BOX (BJB) (ON LEFT SIDE OF ENGINE COMPT, FORWARD OF STRUT TOWER)
HOT IN PARK OR HEAD
HOT AT ALL TIMES
HOT IN RUN
HOT IN START OR RUN
EXTERIOR LIGHTS SYSTEM
STARTING/CHARGING SYSTEM
ANTI-THEFT SYSTEM
DEFOGGER SYSTEM
SUPPLEMENTAL RESTRAINTS SYSTEM
HEADLIGHTS SYSTEM
ANTI-LOCK BRAKES SYSTEM
GENERIC ELECTRONIC MODULE (GEM) (BELOW LEFT SIDE OF DASH)
SAFETY BELT BUCKLE SWITCH (IN DRIVER'S SEAT BELT BUCKLE)
BRAKE FLUID LEVEL SWITCH (ON LEFT REAR OF ENGINE COMPT, ON BRAKE FLUID RESERVOIR)
PARKING BRAKE SWITCH (ON RIGHT REAR OF PARKING BRAKE LEVER ASEMBLY)
OIL PRESSURE SWITCH (3.8L: ON LOWER LEFT FRONT OF ENGINE, ABOVE OIL FILTER, 4.6L: LEFT FRONT OF ENGINE BELOW VALVE COVER)
POWER TOPS SYSTEM
169900

Fig. 29: Instrument Cluster Circuit

INTERIOR LIGHTS

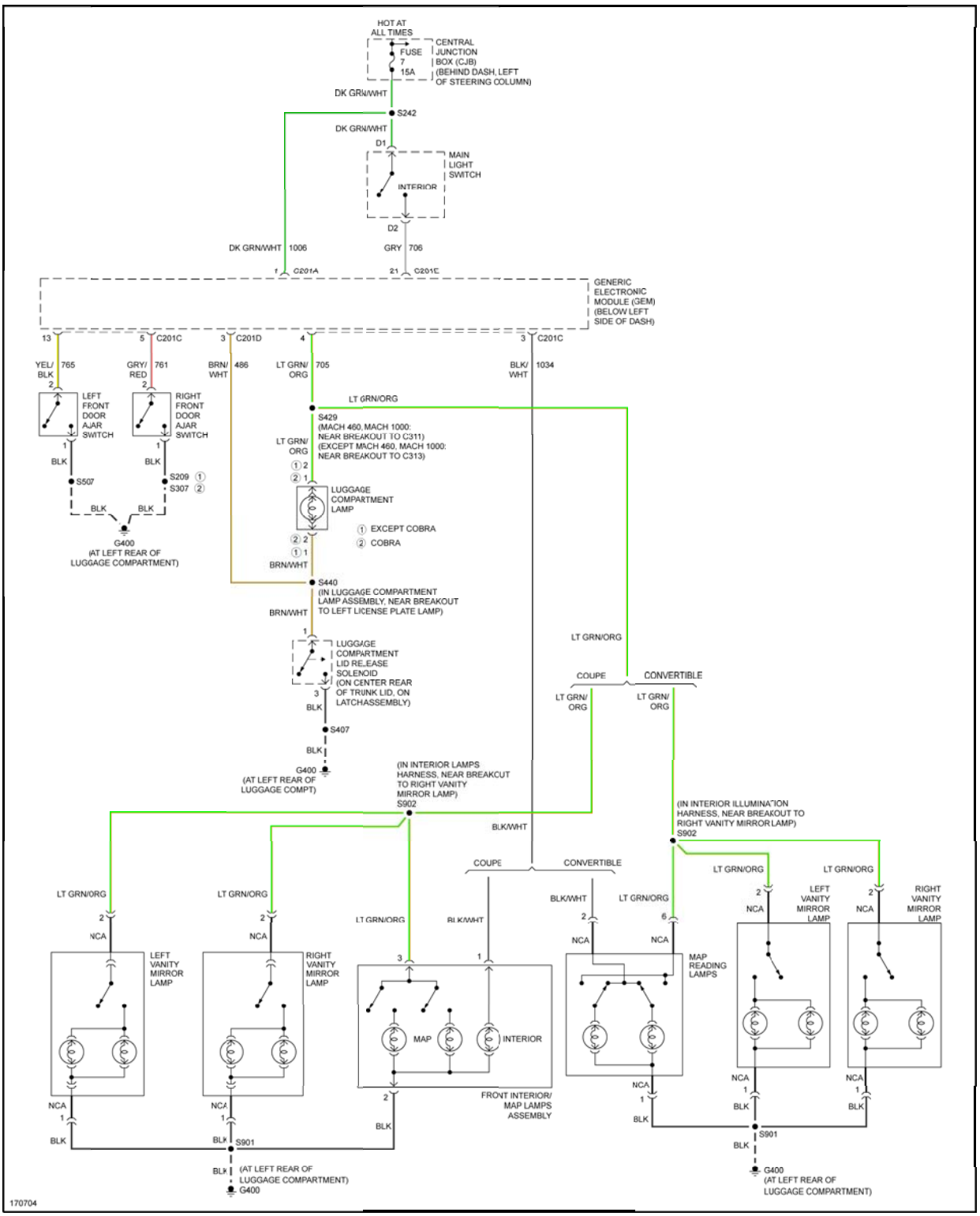

Fig. 30: Courtesy Lamps Circuit

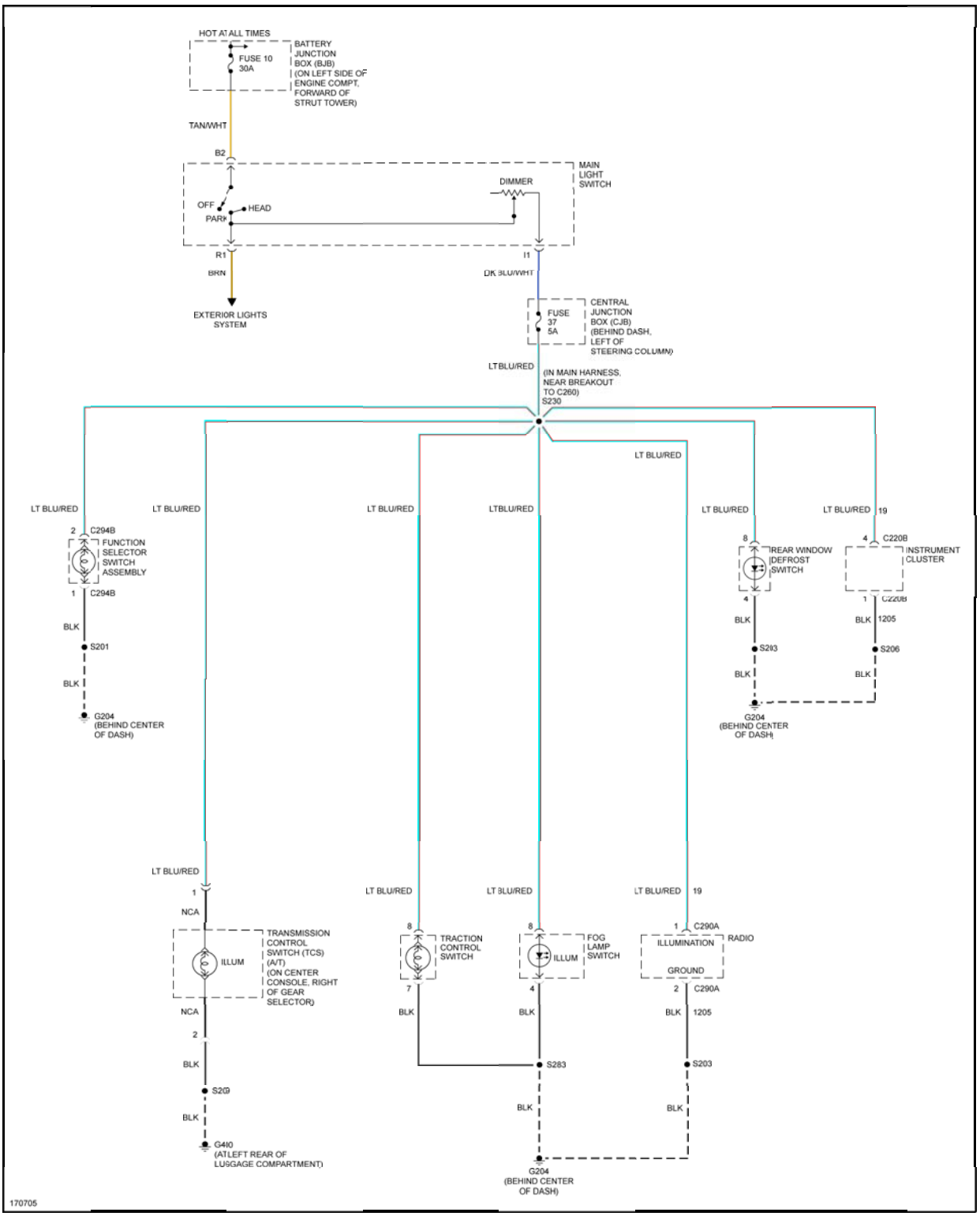

Fig. 31: Instrument Illumination Circuit

POWER DISTRIBUTION

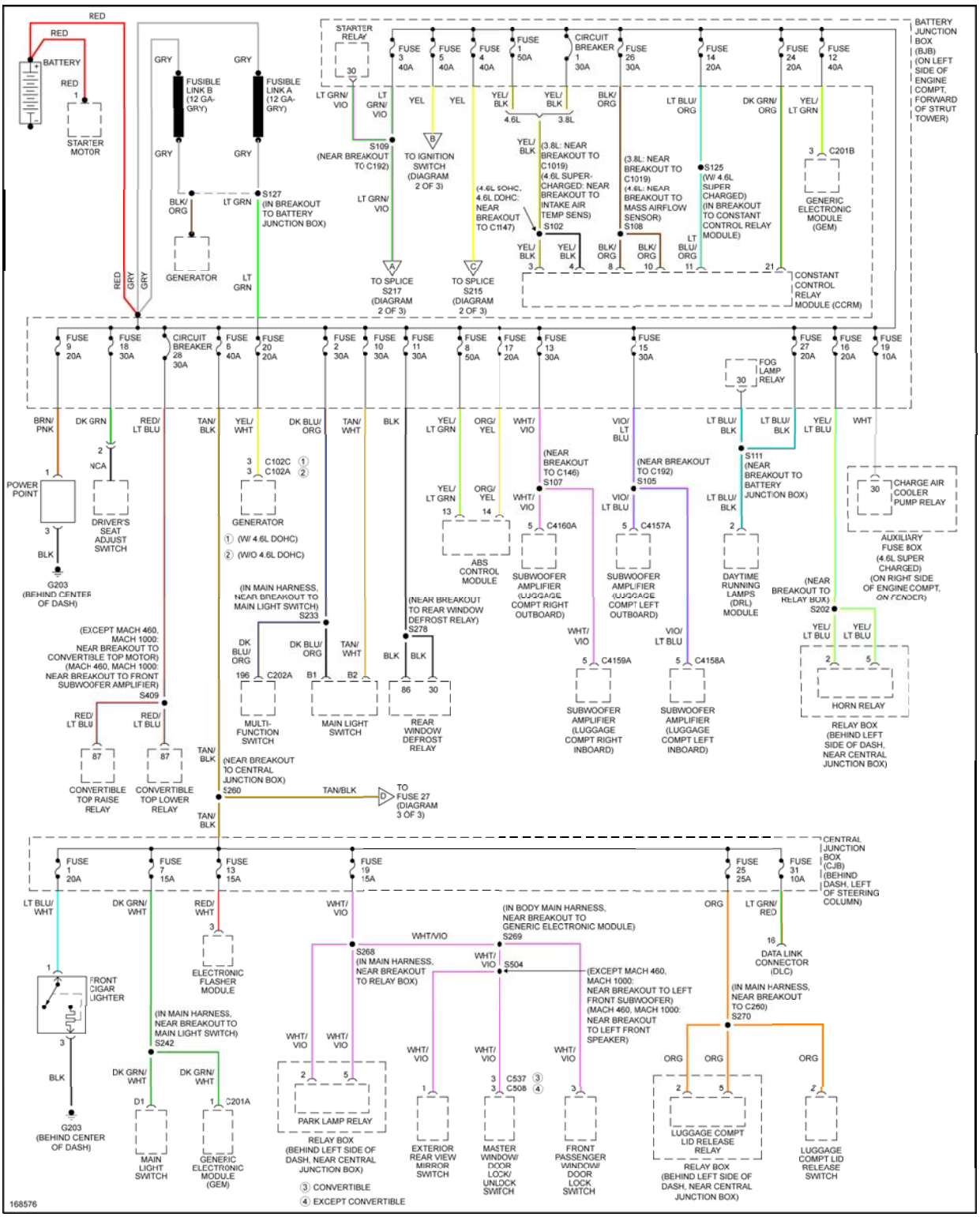
BATTERY
STARTER MOTOR
STARTER RELAY
FUSIBLE LINK B (12 GA-GRY)
FUSIBLE LINK A (12 GA-GRY)
GENERATOR
BATTERY JUNCTION BOX (BJB) (ON LEFT SIDE OF ENGINE COMPT, FORWARD OF STRUT TOWER)
TO IGNITION SWITCH (DIAGRAM 2 OF 3)
TO SPLICE S217 (DIAGRAM 2 OF 3)
TO SPLICE S215 (DIAGRAM 2 OF 3)
CONSTANT CONTROL RELAY MODULE (CCRM)
GENERIC ELECTRONIC MODULE (GEM)
FOG LAMP RELAY
CHARGE AIR COOLER PUMP RELAY
AUXILIARY FUSE BOX (4.6L SUPER CHARGED) (ON RIGHT SIDE OF ENGINE COMPT, ON FENDER)
HORN RELAY
RELAY BOX (BEHIND LEFT SIDE OF DASH, NEAR CENTRAL JUNCTION BOX)
POWER POINT
DRIVER'S SEAT ADJUST SWITCH
G203 (BEHIND CENTER OF DASH)
ABS CONTROL MODULE
SUBWOOFER AMPLIFIER (LUGGAGE COMPT RIGHT OUTBOARD)
SUBWOOFER AMPLIFIER (LUGGAGE COMPT LEFT OUTBOARD)
SUBWOOFER AMPLIFIER (LUGGAGE COMPT RIGHT INBOARD)
SUBWOOFER AMPLIFIER (LUGGAGE COMPT LEFT INBOARD)
DAYTIME RUNNING LAMPS (DRL) MODULE
MULTI-FUNCTION SWITCH
MAIN LIGHT SWITCH
REAR WINDOW DEFROST RELAY
CONVERTIBLE TOP RAISE RELAY
CONVERTIBLE TOP LOWER RELAY
CENTRAL JUNCTION BOX (CJB) (BEHIND DASH, LEFT OF STEERING COLUMN)
FRONT CIGAR LIGHTER
ELECTRONIC FLASHER MODULE
DATA LINK CONNECTOR (DLC)
PARK LAMP RELAY
RELAY BOX (BEHIND LEFT SIDE OF DASH, NEAR CENTRAL JUNCTION BOX)
EXTERIOR REAR VIEW MIRROR SWITCH
MASTER WINDOW/ DOOR LOCK/ UNLOCK SWITCH
FRONT PASSENGER WINDOW/ DOOR LOCK SWITCH
LUGGAGE COMPT LID RELEASE RELAY
LUGGAGE COMPT LID RELEASE SWITCH
168576

Fig. 32: Power Distribution Circuit (1 of 3)

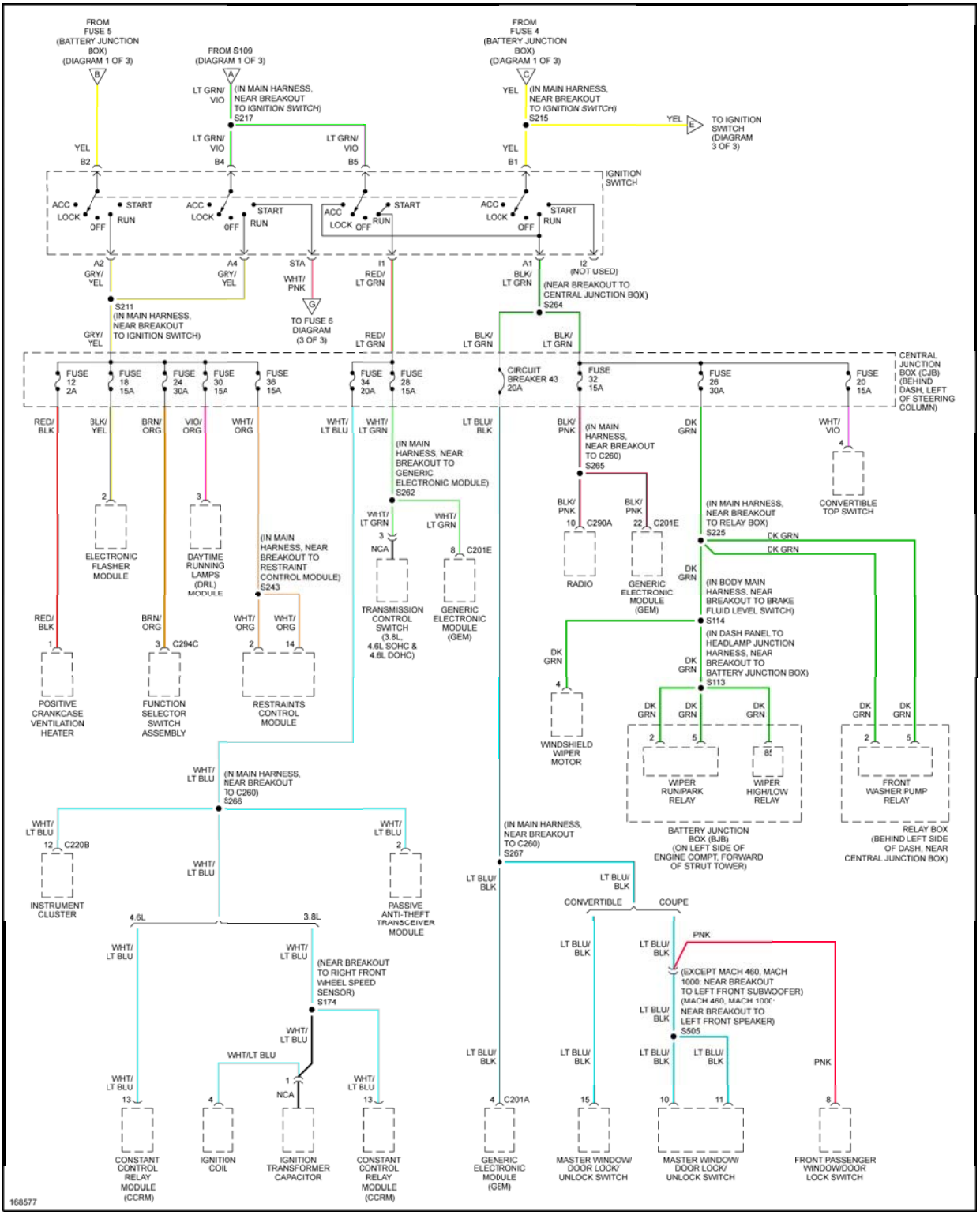
FROM FUSE 5 (BATTERY JUNCTION BOX) (DIAGRAM 1 OF 3)
FROM S109 (DIAGRAM 1 OF 3)
FROM FUSE 4 (BATTERY JUNCTION BOX) (DIAGRAM 1 OF 3)
(IN MAIN HARNESS, NEAR BREAKOUT TO IGNITION SWITCH) S217
(IN MAIN HARNESS, NEAR BREAKOUT TO IGNITION SWITCH) S215
TO IGNITION SWITCH (DIAGRAM 3 OF 3)
IGNITION SWITCH
ACC LOCK OFF START RUN
S211 (IN MAIN HARNESS, NEAR BREAKOUT TO IGNITION SWITCH)
TO FUSE 6 DIAGRAM (3 OF 3)
(NEAR BREAKOUT TO CENTRAL JUNCTION BOX) S264
(NOT USED)
CENTRAL JUNCTION BOX (CJB) (BEHIND DASH, LEFT OF STEERING COLUMN)
FUSE 12 2A
FUSE 18 15A
FUSE 24 30A
FUSE 30 15A
FUSE 36 15A
FUSE 34 20A
FUSE 28 15A
CIRCUIT BREAKER 43 20A
FUSE 32 15A
FUSE 26 30A
FUSE 20 15A
ELECTRONIC FLASHER MODULE
DAYTIME RUNNING LAMPS (DRL) MODULE
(IN MAIN HARNESS, NEAR BREAKOUT TO RESTRAINT CONTROL MODULE) S243
(IN MAIN HARNESS, NEAR BREAKOUT TO GENERIC ELECTRONIC MODULE) S262
(IN MAIN HARNESS, NEAR BREAKOUT TO C260) S265
(IN MAIN HARNESS, NEAR BREAKOUT TO RELAY BOX) S225
CONVERTIBLE TOP SWITCH
RADIO
GENERIC ELECTRONIC MODULE (GEM)
TRANSMISSION CONTROL SWITCH (3.8L, 4.6L SOHC & 4.6L DOHC)
(IN BODY MAIN HARNESS, NEAR BREAKOUT TO BRAKE FLUID LEVEL SWITCH) S114
(IN DASH PANEL TO HEADLAMP JUNCTION HARNESS, NEAR BREAKOUT TO BATTERY JUNCTION BOX) S113
POSITIVE CRANKCASE VENTILATION HEATER
FUNCTION SELECTOR SWITCH ASSEMBLY
RESTRAINTS CONTROL MODULE
WINDSHIELD WIPER MOTOR
WIPER RUN/PARK RELAY
WIPER HIGH/LOW RELAY
FRONT WASHER PUMP RELAY
BATTERY JUNCTION BOX (BJB) (ON LEFT SIDE OF ENGINE COMPT, FORWARD OF STRUT TOWER)
RELAY BOX (BEHIND LEFT SIDE OF DASH, NEAR CENTRAL JUNCTION BOX)
(IN MAIN HARNESS, NEAR BREAKOUT TO C260) S266
(IN MAIN HARNESS, NEAR BREAKOUT TO C260) S267
INSTRUMENT CLUSTER
PASSIVE ANTI-THEFT TRANSCEIVER MODULE
4.6L
3.8L
CONVERTIBLE
COUPE
(NEAR BREAKOUT TO RIGHT FRONT WHEEL SPEED SENSOR) S174
(EXCEPT MACH 460, MACH 1000: NEAR BREAKOUT TO LEFT FRONT SUBWOOFER) (MACH 460, MACH 1000: NEAR BREAKOUT TO LEFT FRONT SPEAKER) S505
CONSTANT CONTROL RELAY MODULE (CCRM)
IGNITION COIL
IGNITION TRANSFORMER CAPACITOR
CONSTANT CONTROL RELAY MODULE (CCRM)
GENERIC ELECTRONIC MODULE (GEM)
MASTER WINDOW/ DOOR LOCK/ UNLOCK SWITCH
MASTER WINDOW/ DOOR LOCK/ UNLOCK SWITCH
FRONT PASSENGER WINDOW/DOOR LOCK SWITCH
168577

Fig. 33: Power Distribution Circuit (2 of 3)

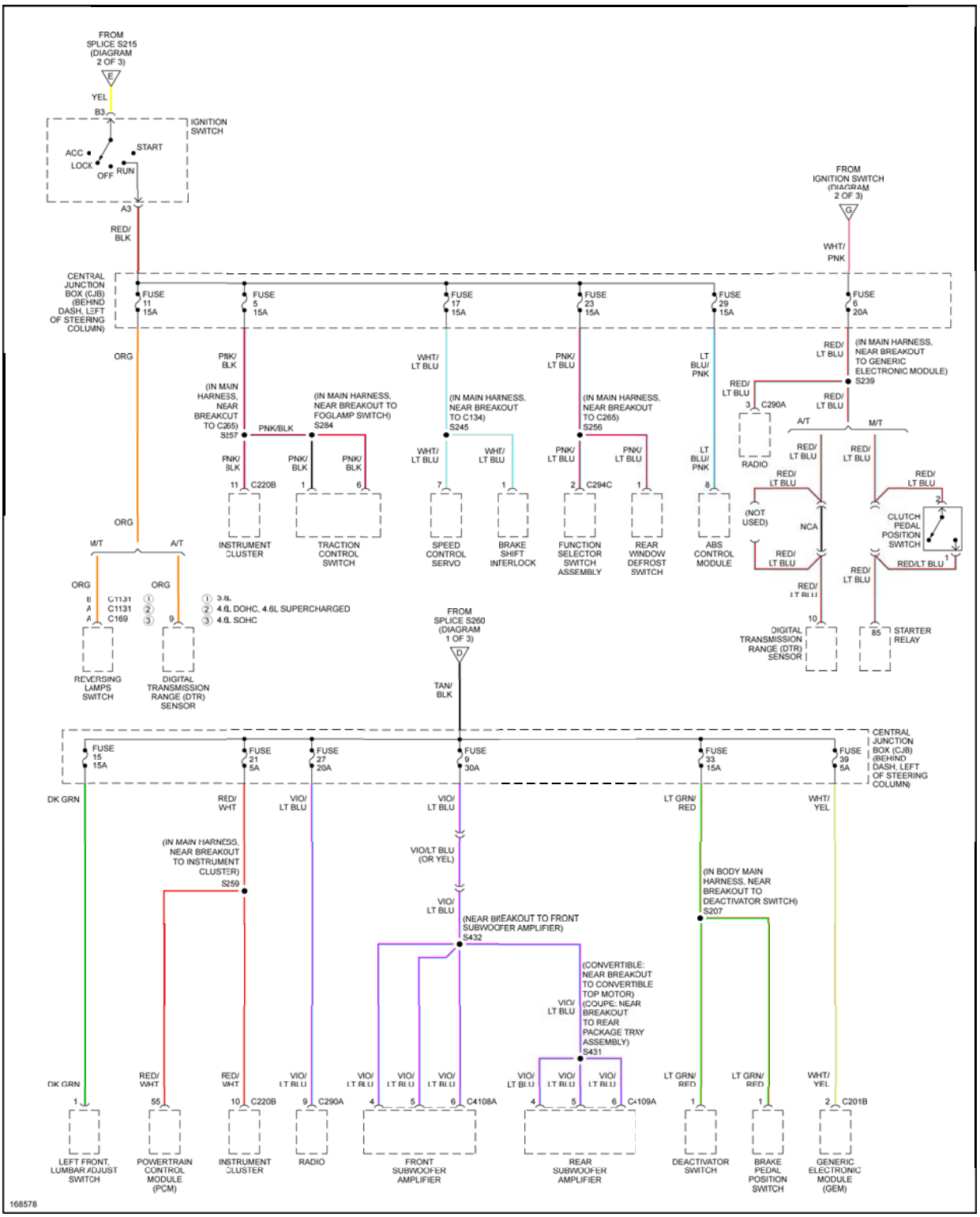
FROM SPLICE S215 (DIAGRAM 2 OF 3)
IGNITION SWITCH
ACC
START
LOCK
OFF
RUN
FROM IGNITION SWITCH (DIAGRAM 2 OF 3)
CENTRAL JUNCTION BOX (CJB) (BEHIND DASH, LEFT OF STEERING COLUMN)
FUSE 11 15A
FUSE 5 15A
FUSE 17 15A
FUSE 23 15A
FUSE 29 15A
FUSE 6 20A
(IN MAIN HARNESS, NEAR BREAKOUT TO GENERIC ELECTRONIC MODULE) S239
(IN MAIN HARNESS, NEAR BREAKOUT TO FOGLAMP SWITCH) S284
(IN MAIN HARNESS, NEAR BREAKOUT TO C134) S245
(IN MAIN HARNESS, NEAR BREAKOUT TO C265) S256
(IN MAIN HARNESS, NEAR BREAKOUT TO C265) S257
INSTRUMENT CLUSTER
TRACTION CONTROL SWITCH
SPEED CONTROL SERVO
BRAKE SHIFT INTERLOCK
FUNCTION SELECTOR SWITCH ASSEMBLY
REAR WINDOW DEFROST SWITCH
ABS CONTROL MODULE
RADIO
(NOT USED)
NCA
CLUTCH PEDAL POSITION SWITCH
STARTER RELAY
DIGITAL TRANSMISSION RANGE (DTR) SENSOR
REVERSING LAMPS SWITCH
M/T
A/T
4.6L DOHC, 4.6L SUPERCHARGED
4.6L SOHC
FROM SPLICE S260 (DIAGRAM 1 OF 3)
FUSE 15 15A
FUSE 21 5A
FUSE 27 20A
FUSE 9 30A
FUSE 33 15A
FUSE 39 5A
(IN MAIN HARNESS, NEAR BREAKOUT TO INSTRUMENT CLUSTER) S259
(NEAR BREAKOUT TO FRONT SUBWOOFER AMPLIFIER) S432
(IN BODY MAIN HARNESS, NEAR BREAKOUT TO DEACTIVATOR SWITCH) S207
(CONVERTIBLE: NEAR BREAKOUT TO CONVERTIBLE TOP MOTOR) (COUPE: NEAR BREAKOUT TO REAR PACKAGE TRAY ASSEMBLY) S431
LEFT FRONT, LUMBAR ADJUST SWITCH
POWERTRAIN CONTROL MODULE (PCM)
INSTRUMENT CLUSTER
RADIO
FRONT SUBWOOFER AMPLIFIER
REAR SUBWOOFER AMPLIFIER
DEACTIVATOR SWITCH
BRAKE PEDAL POSITION SWITCH
GENERIC ELECTRONIC MODULE (GEM)
168578

Fig. 34: Power Distribution Circuit (3 of 3)

POWER DOOR LOCKS

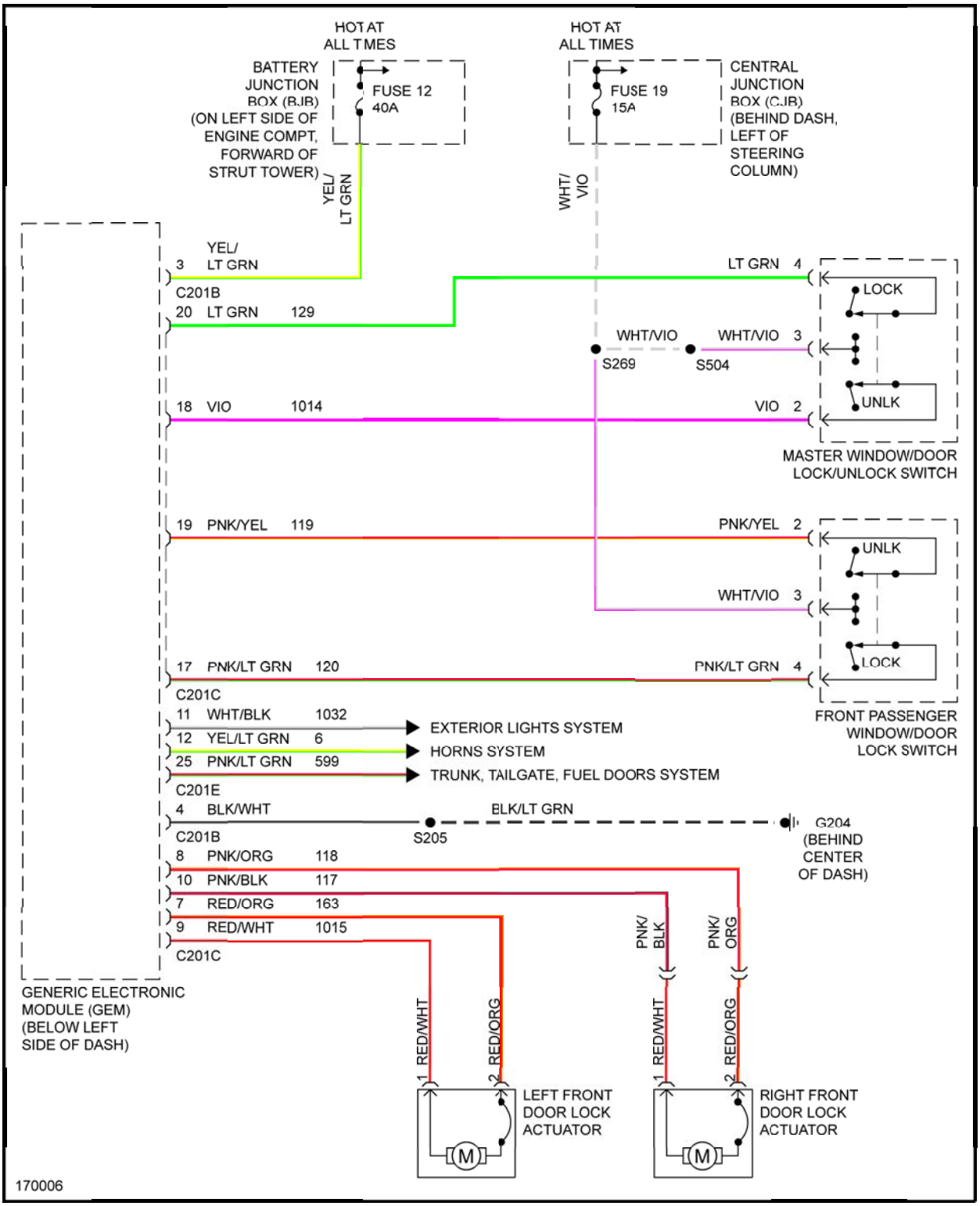

Fig. 35: Power Door Locks Circuit

POWER MIRRORS

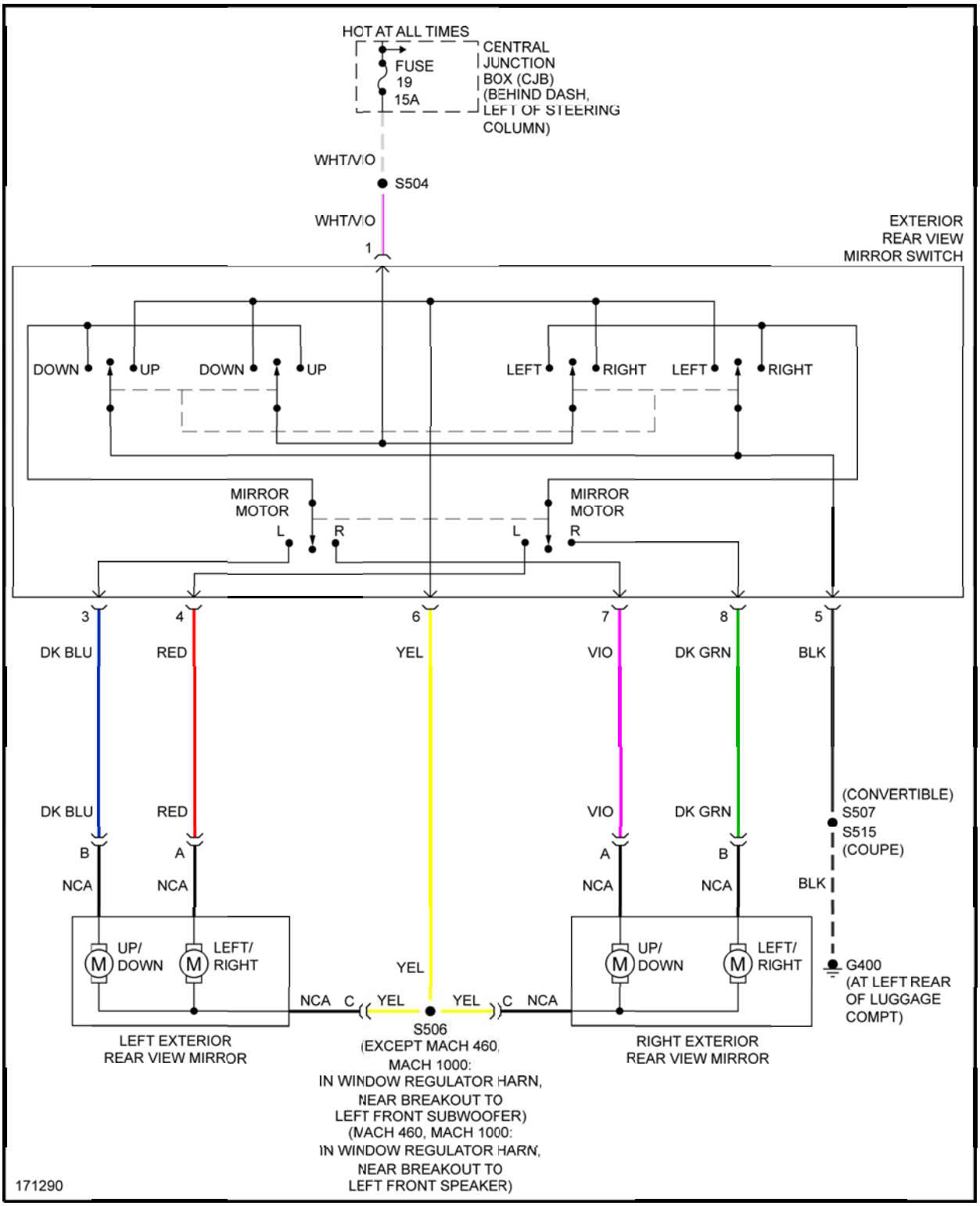

Fig. 36: Power Mirrors Circuit

POWER SEATS

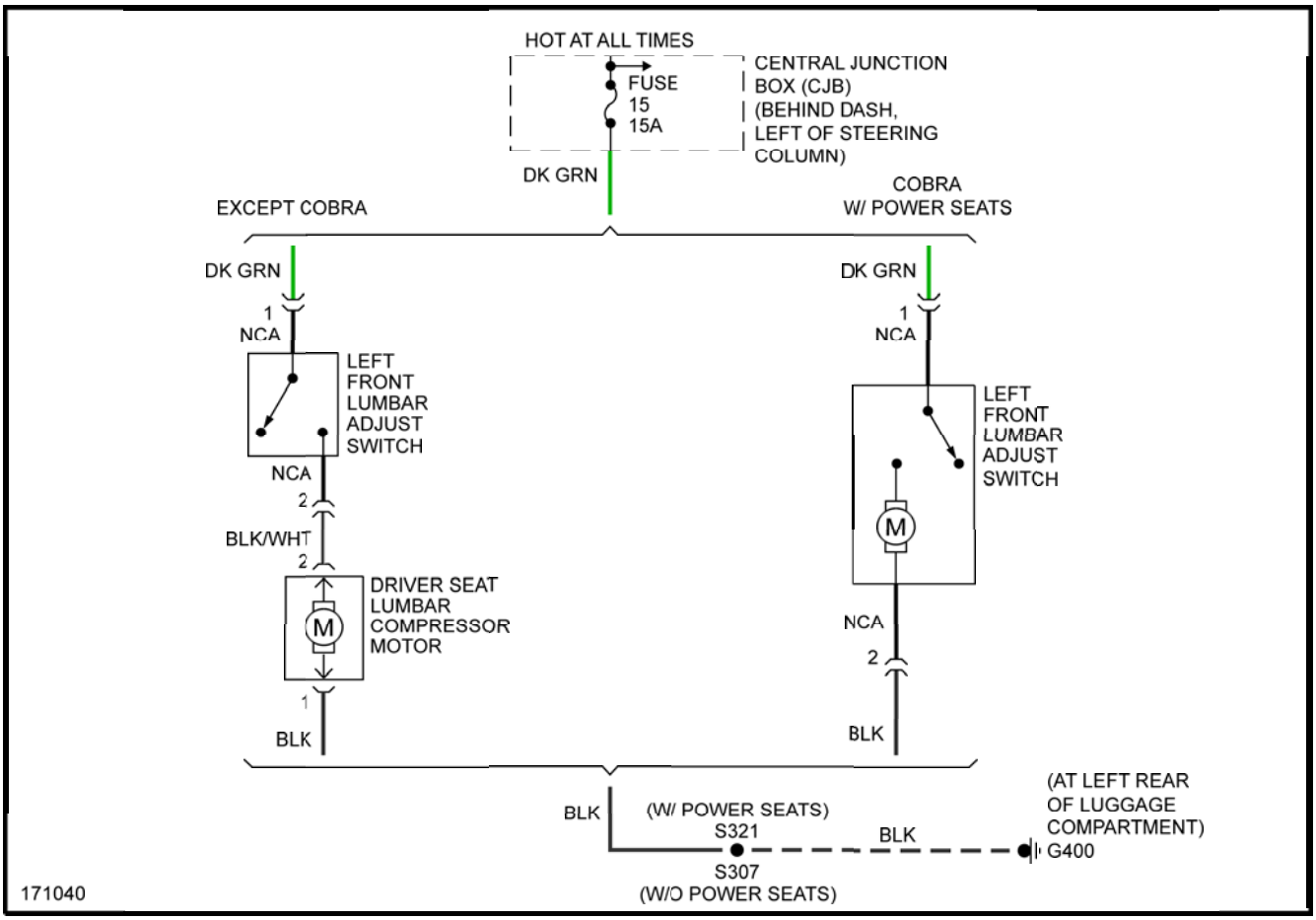

Fig. 37: Lumbar Circuit

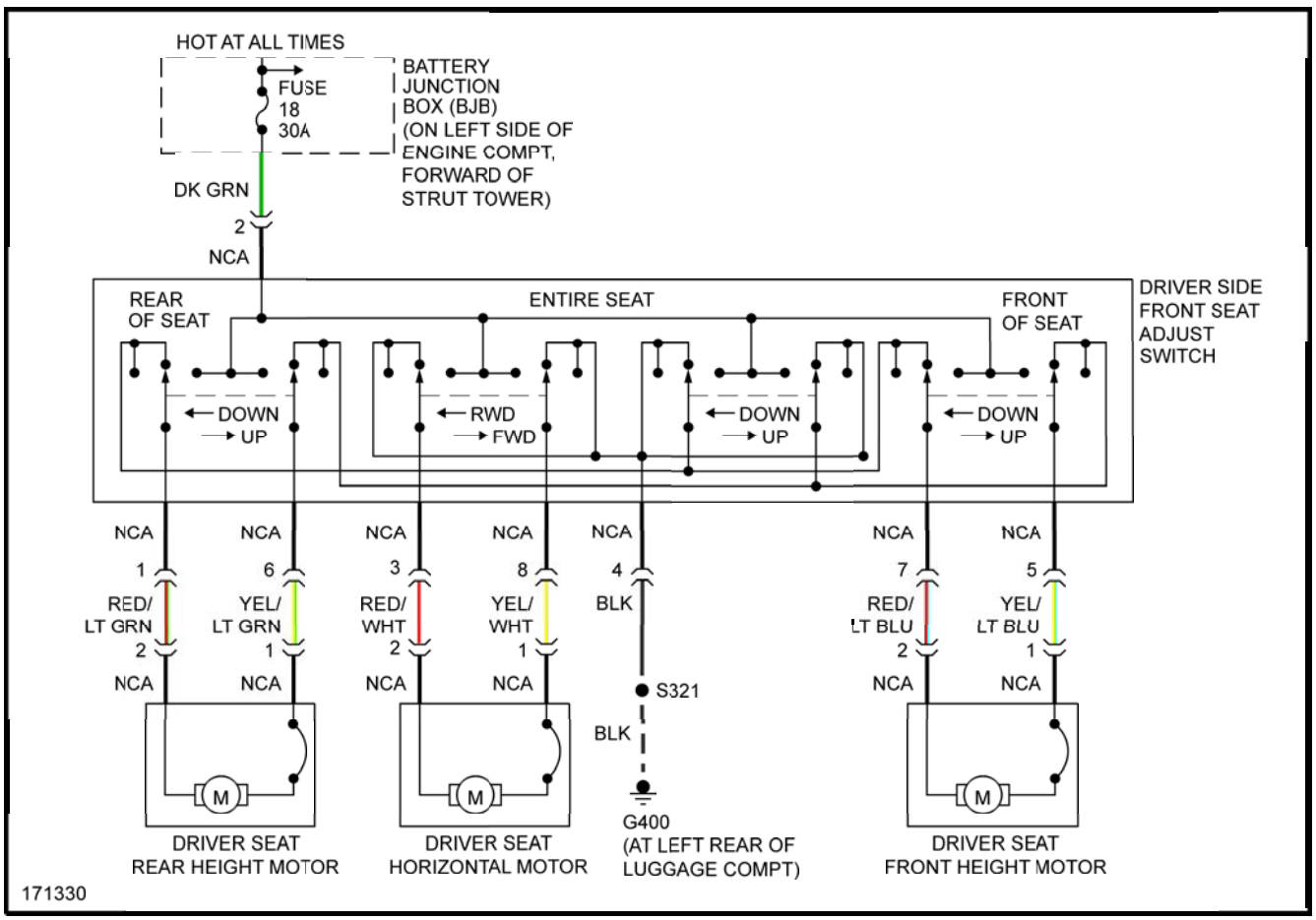

Fig. 38: Power Seat Circuit

POWER TOP/SUNROOF

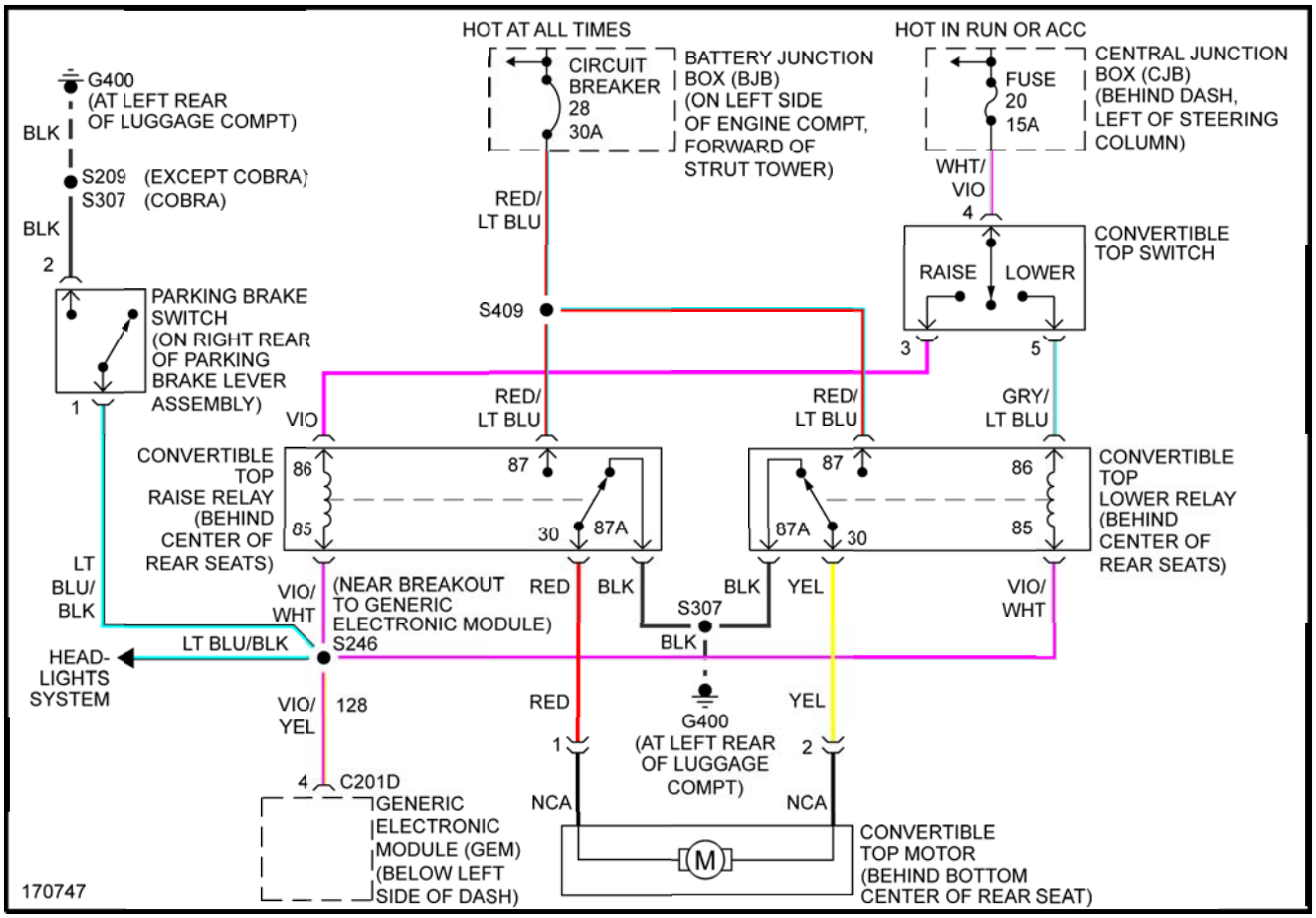

Fig. 39: Power Top/Sunroof Circuit

POWER WINDOWS

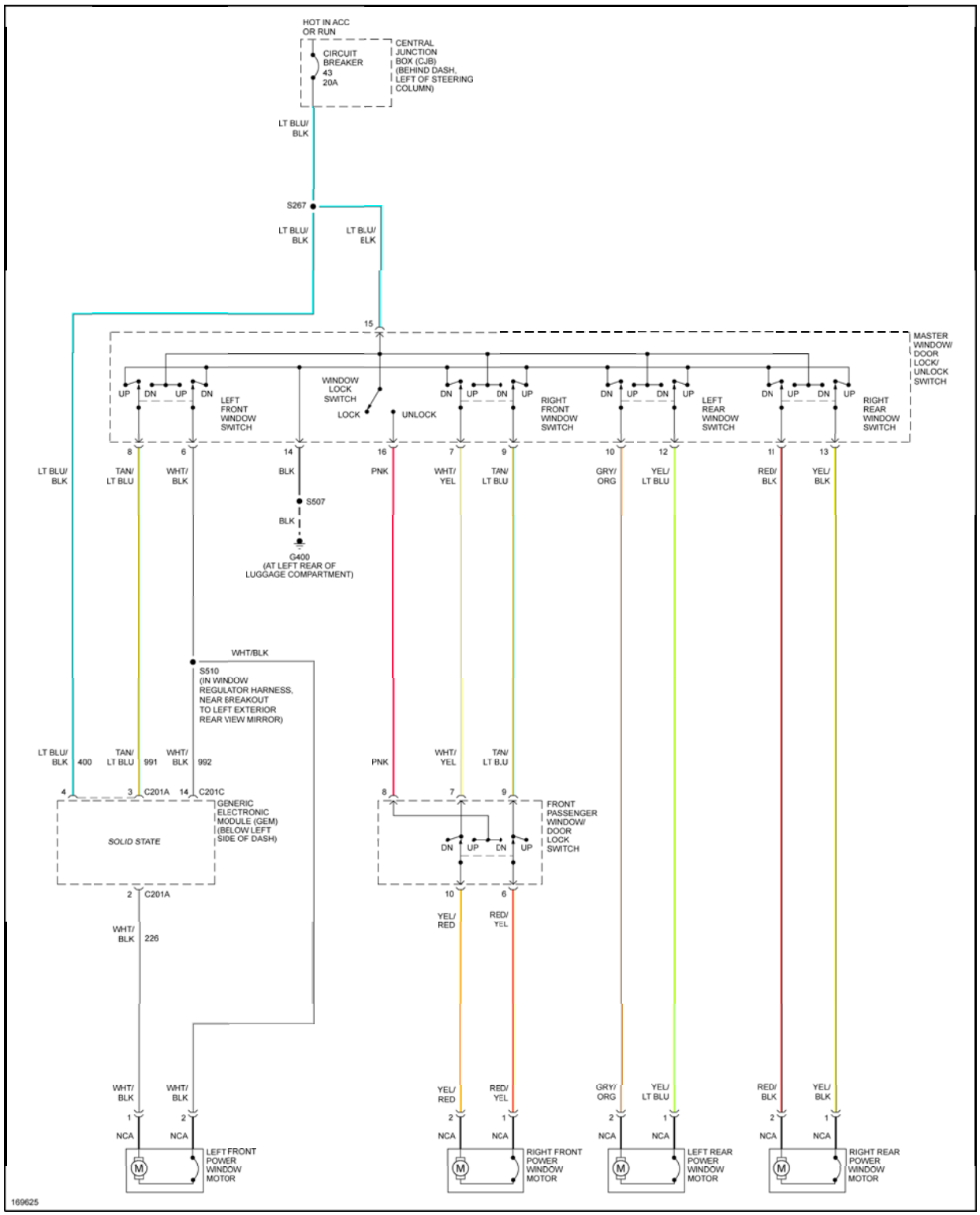

Fig. 40: Power Windows Circuit, Convertible

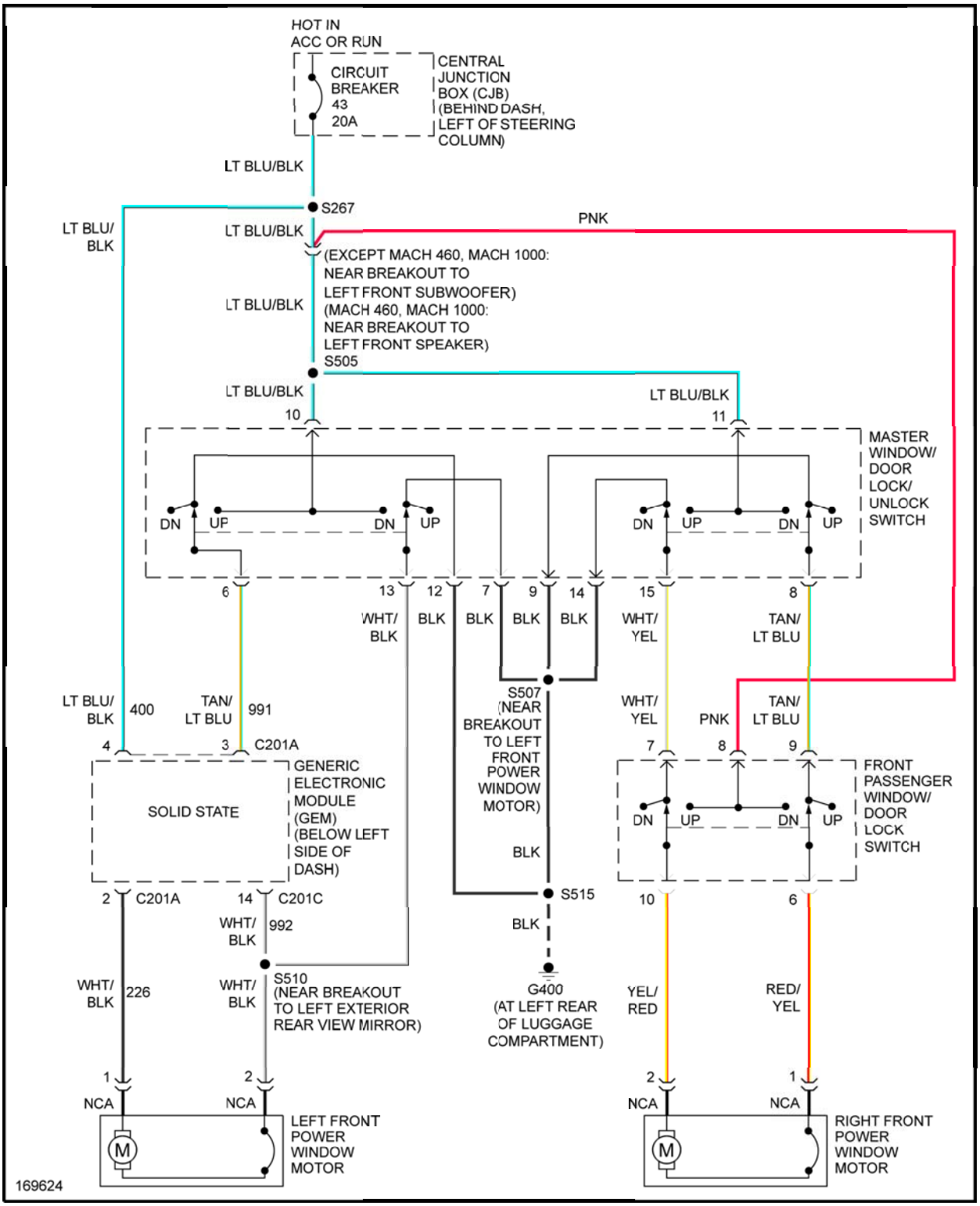

Fig. 41: Power Windows Circuit, Coupe

RADIO

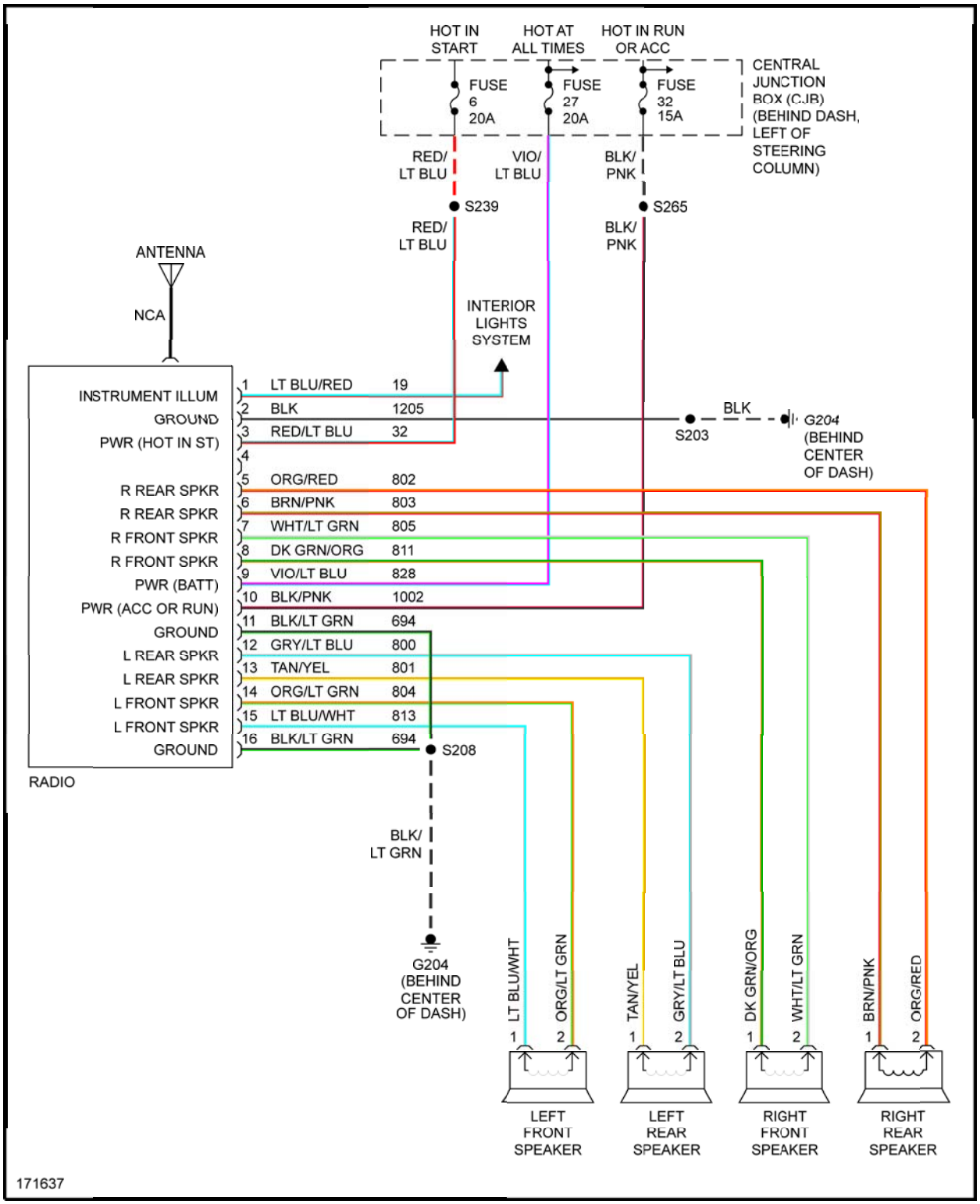

Fig. 42: Base Radio Circuit

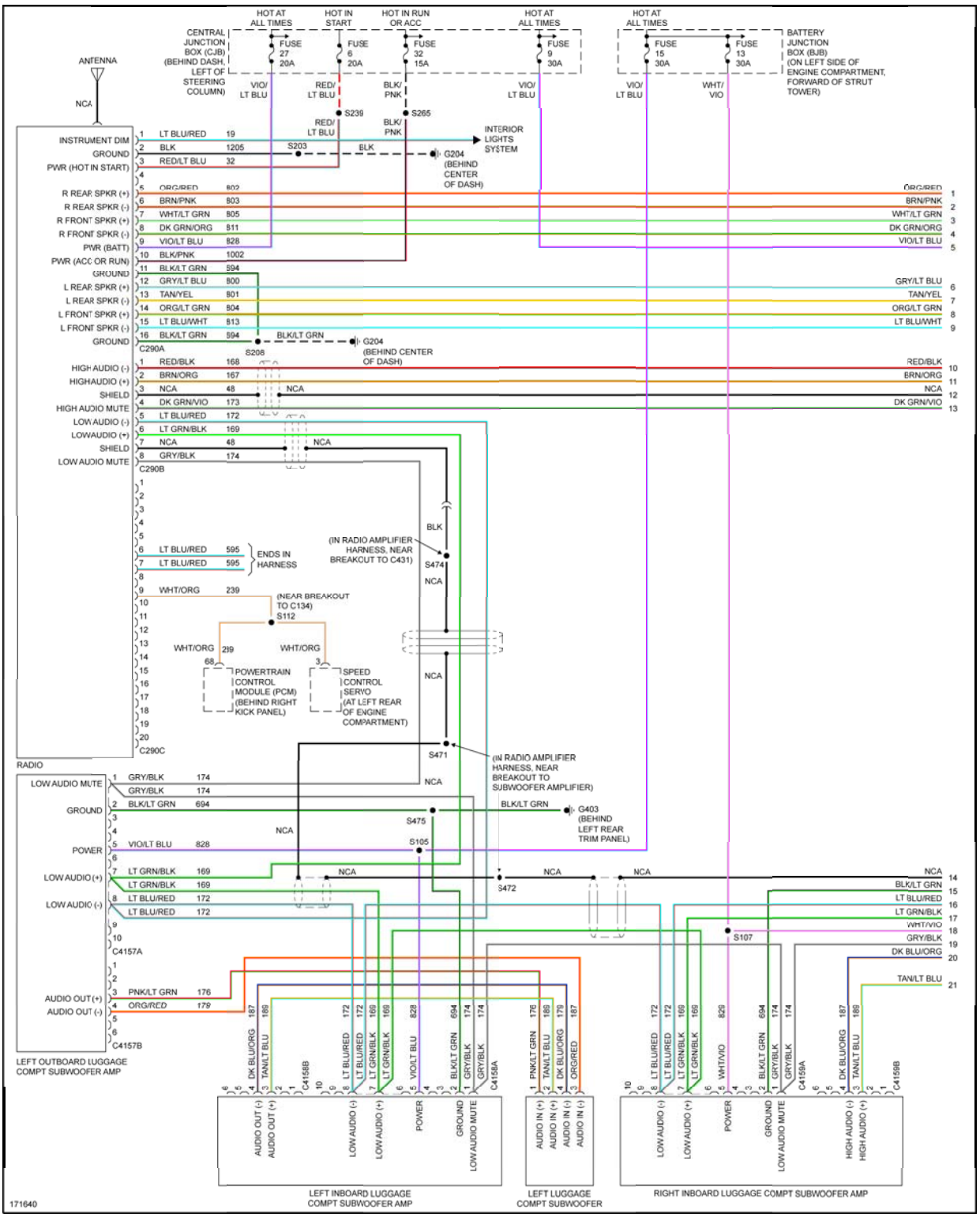

Fig. 43: Premium Sound Radio Circuit, Convertible W/ Mach 1000 Sound System (1 of 2)

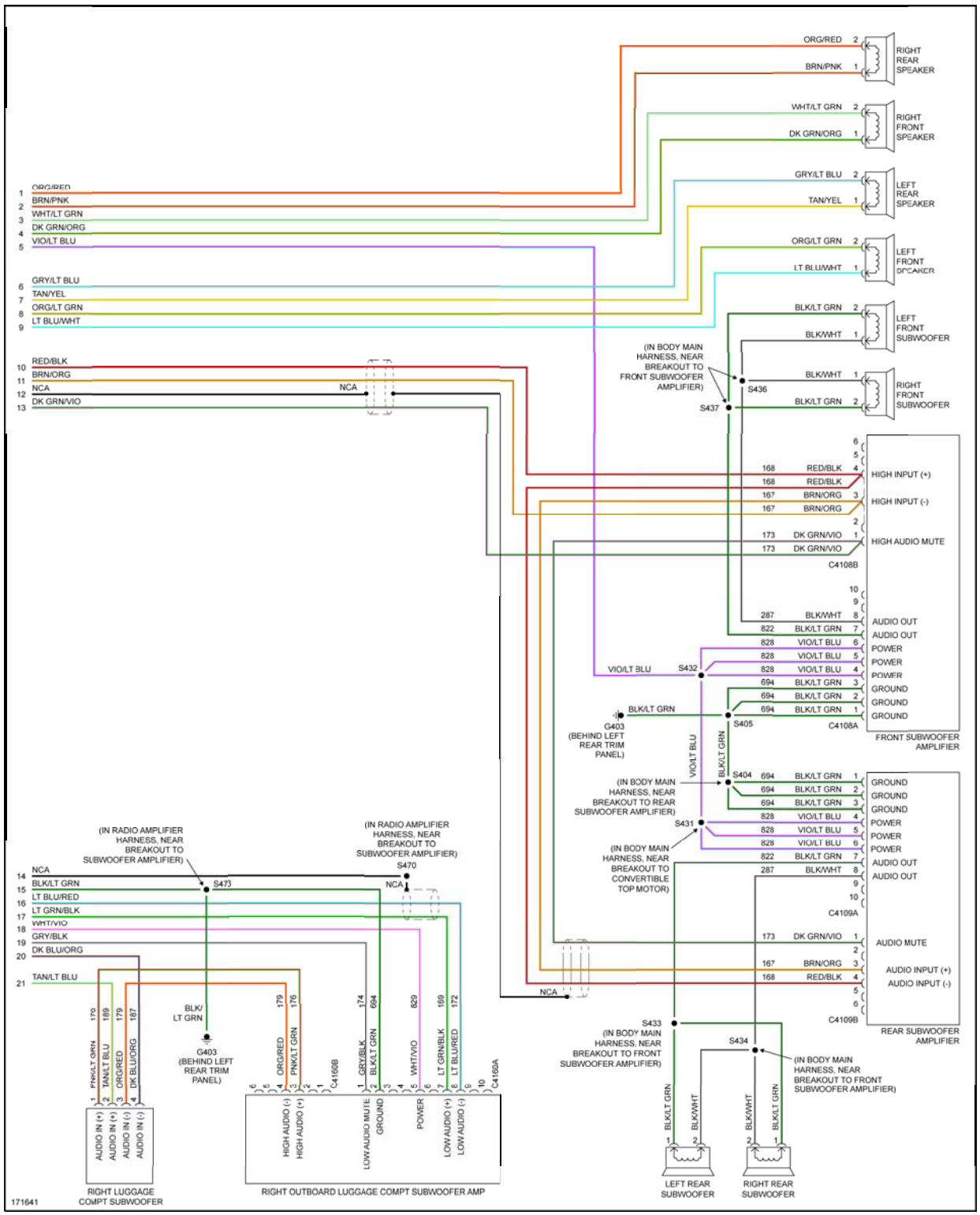

Fig. 44: Premium Sound Radio Circuit, Convertible W/ Mach 1000 Sound System (2 of 2)

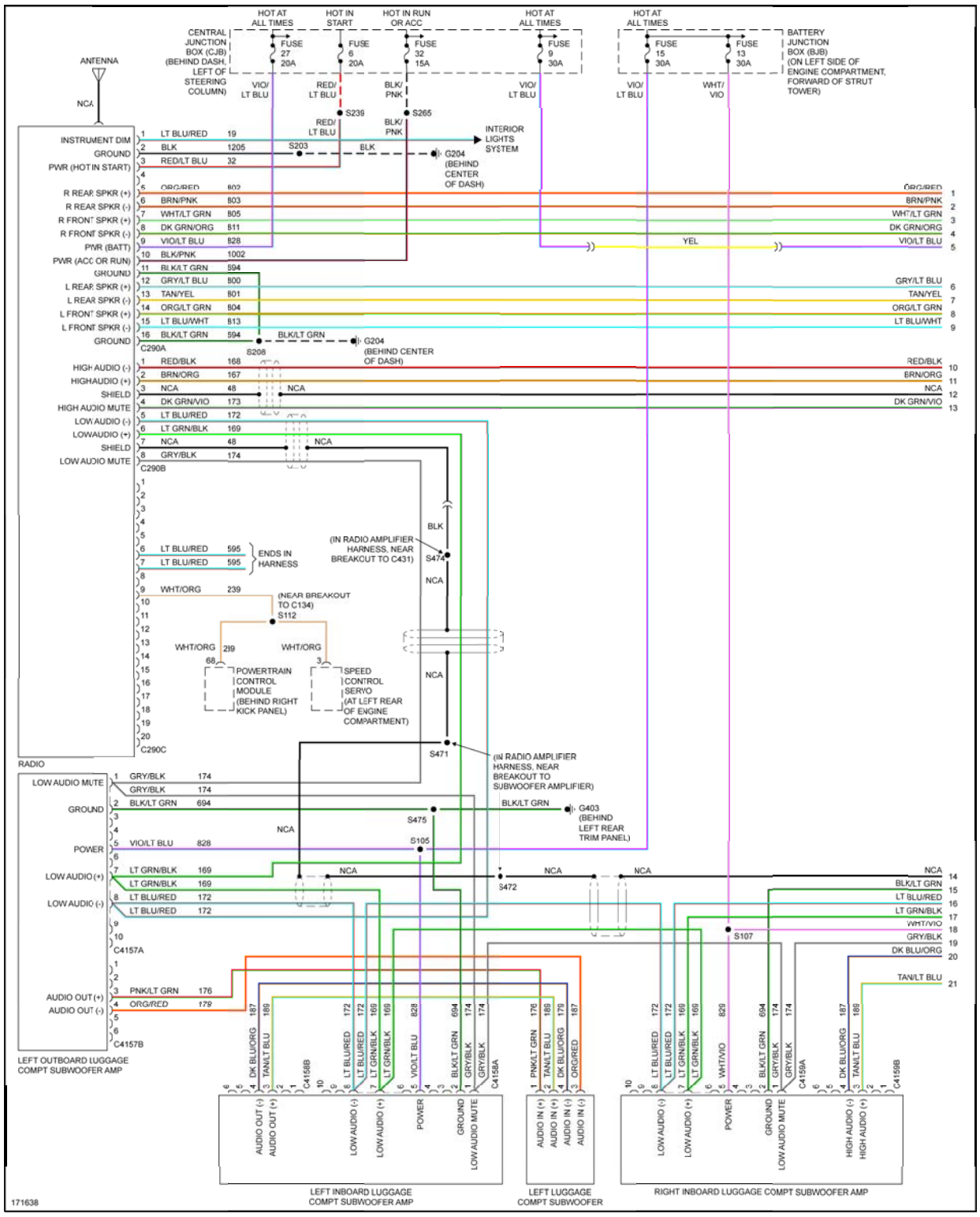

Fig. 45: Premium Sound Radio Circuit, Coupe W/ Mach 1000 Sound System (1 of 2)

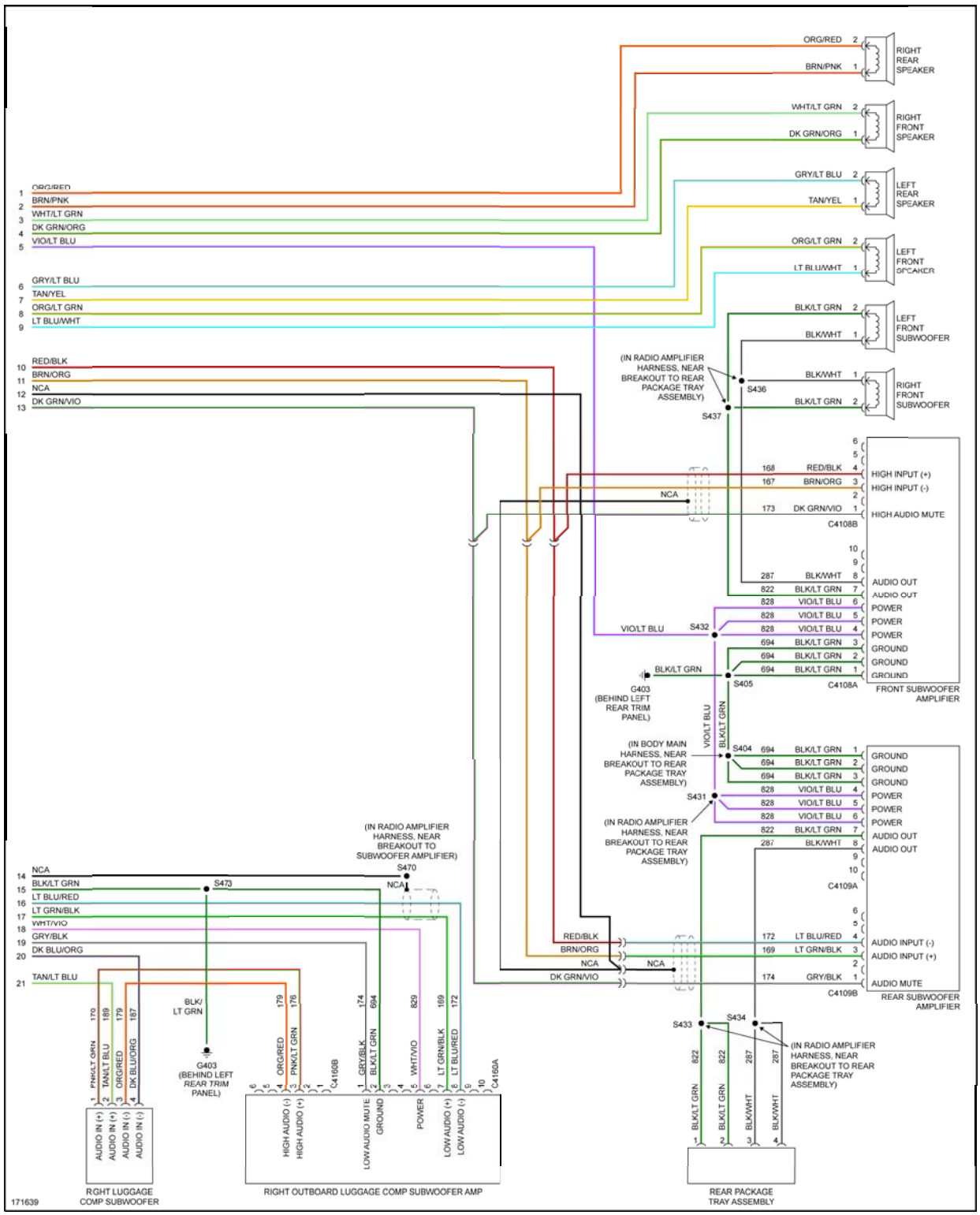

Fig. 46: Premium Sound Radio Circuit, Coupe W/ Mach 1000 Sound System (2 of 2)

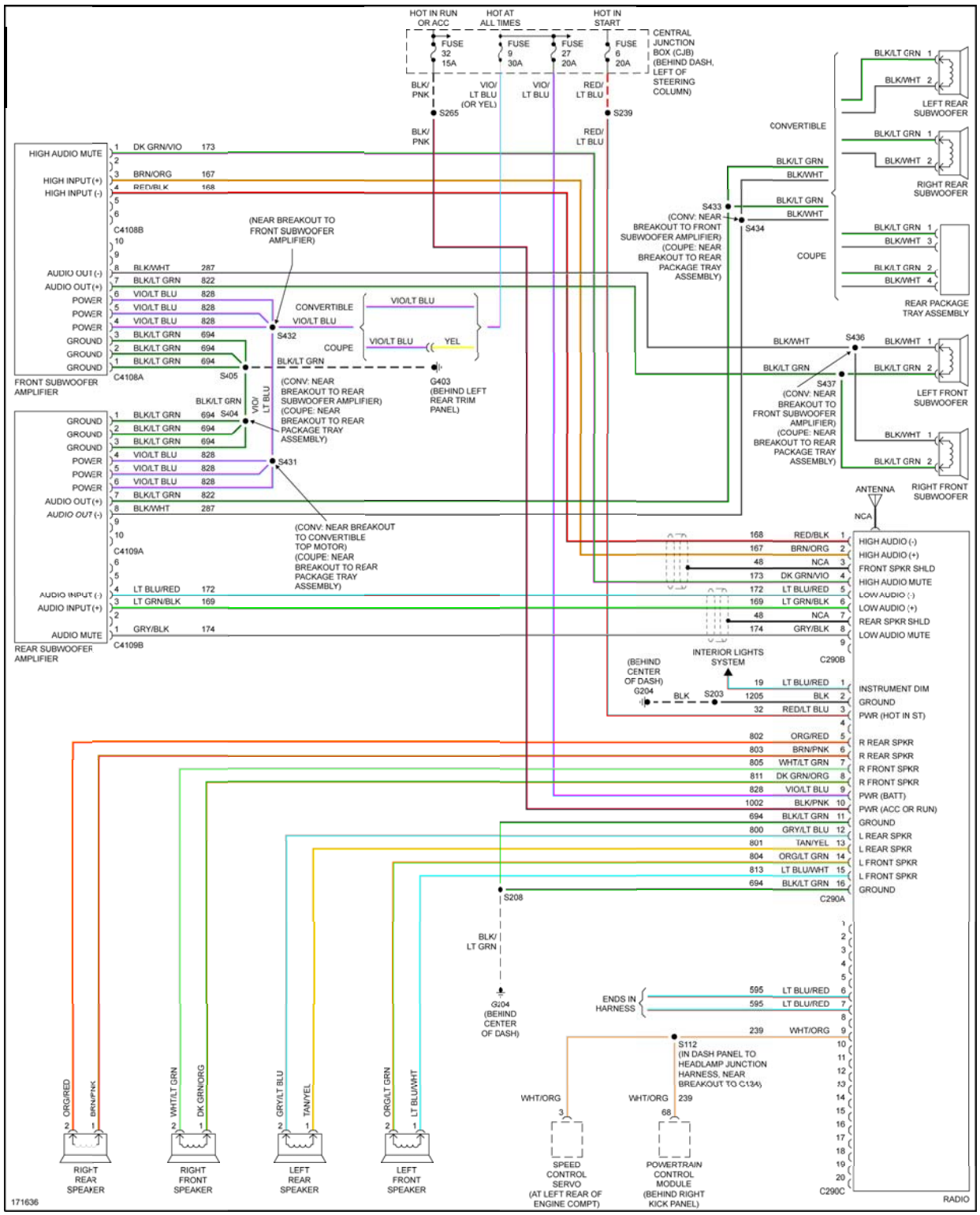

Fig. 47: Premium Sound Radio Circuit, W/ Mach 460 Sound System

SHIFT INTERLOCK

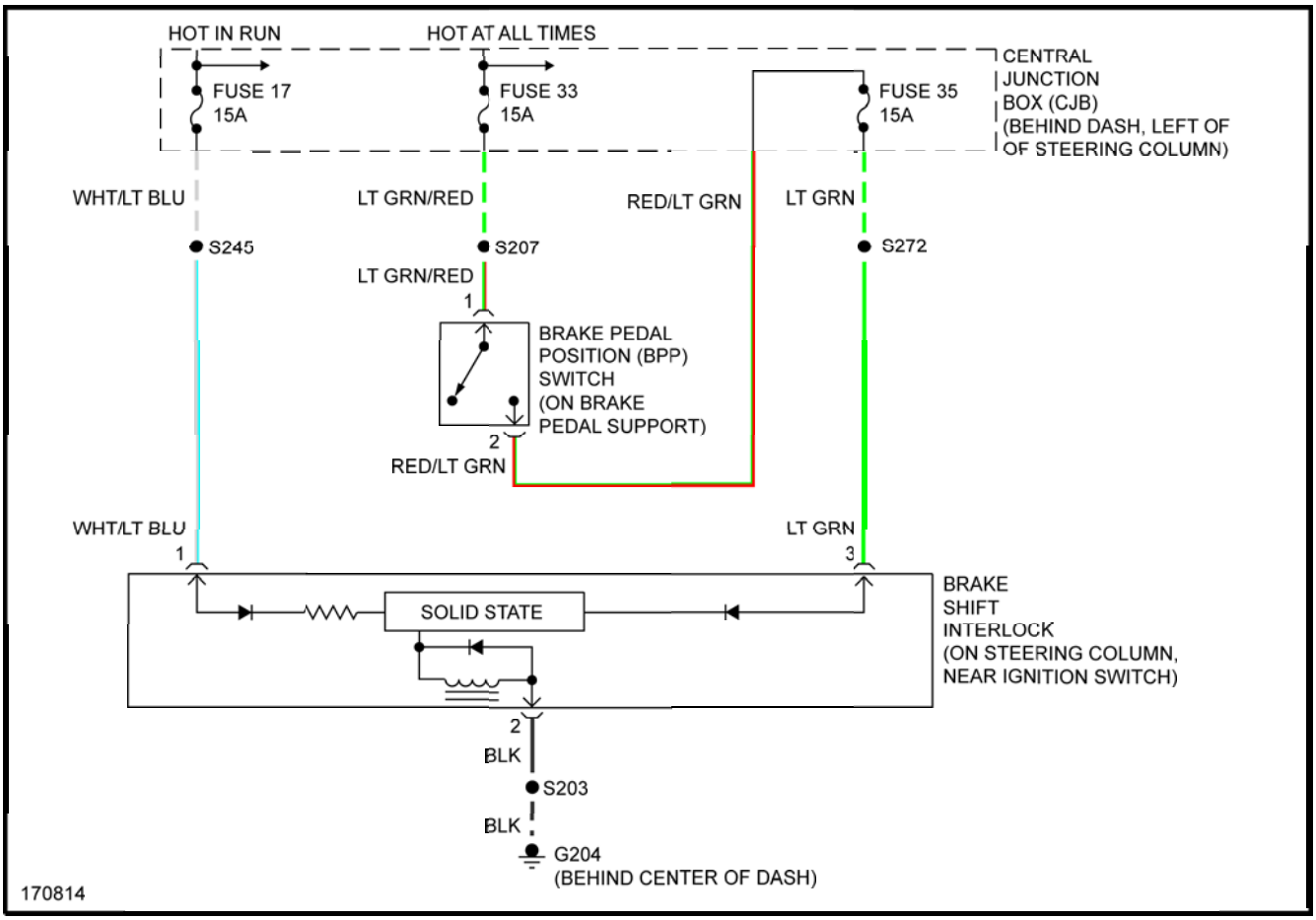

Fig. 48: Shift Interlock Circuit

STARTING/CHARGING

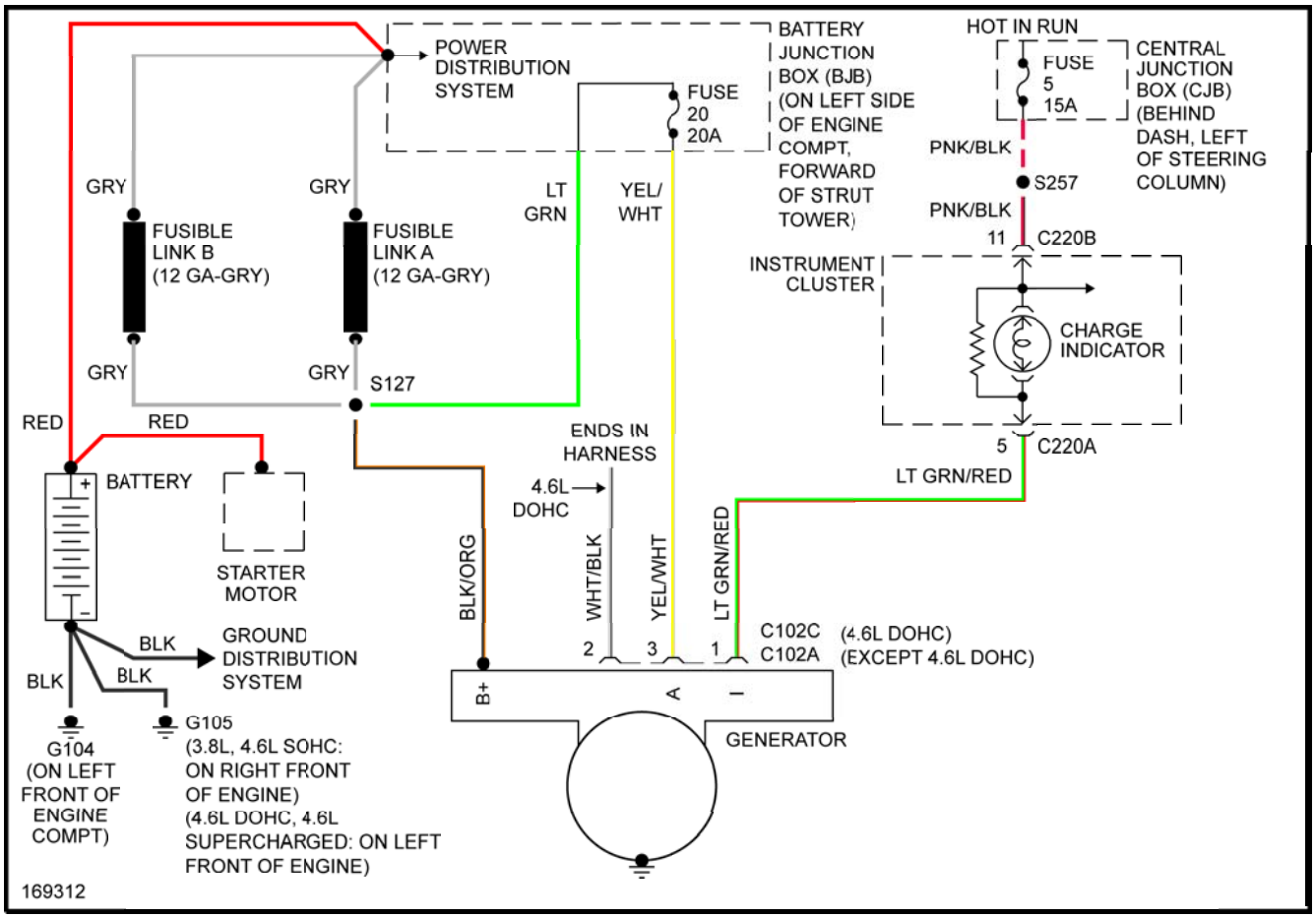

Fig. 49: Charging Circuit

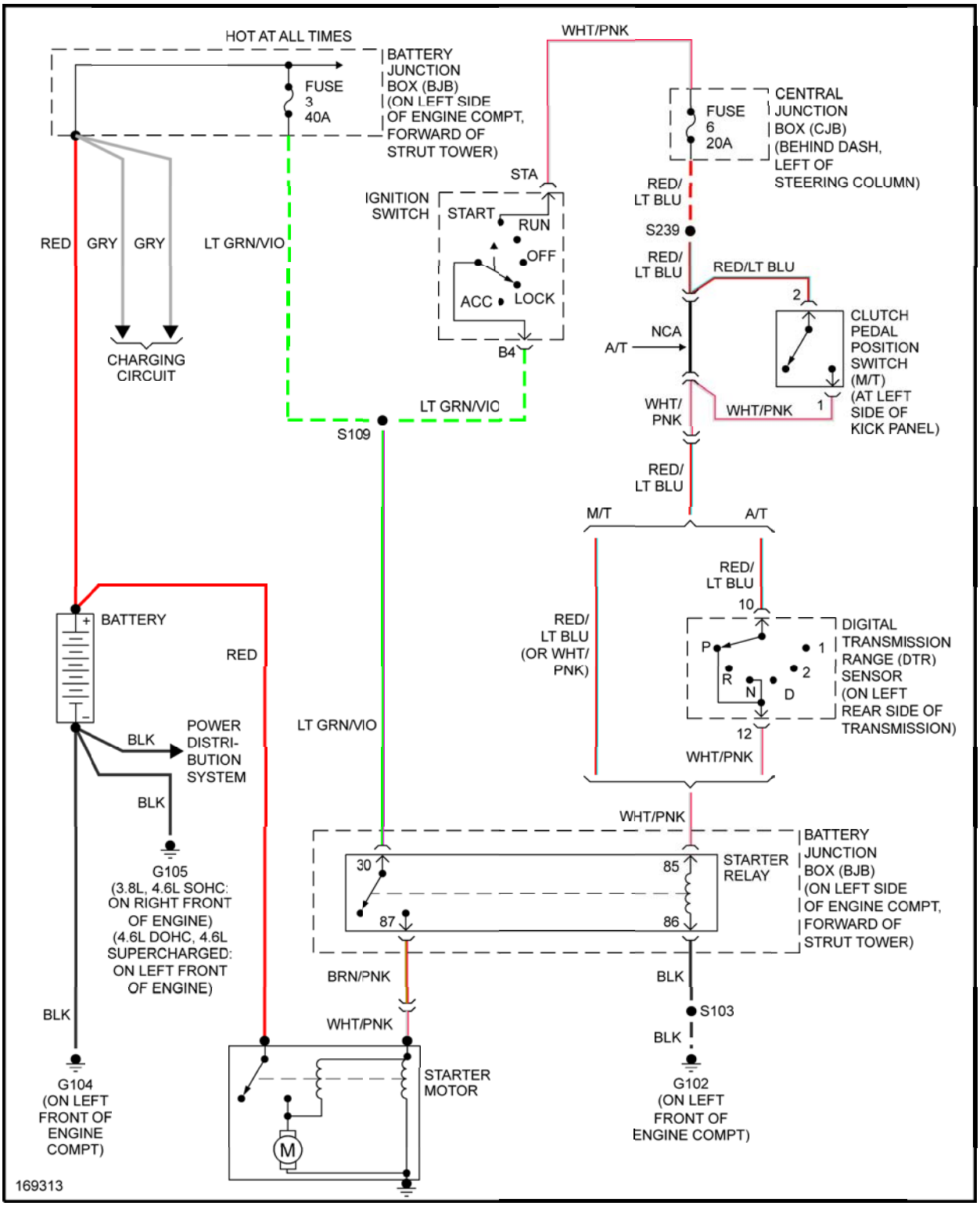

Fig. 50: Starting Circuit

SUPPLEMENTAL RESTRAINTS

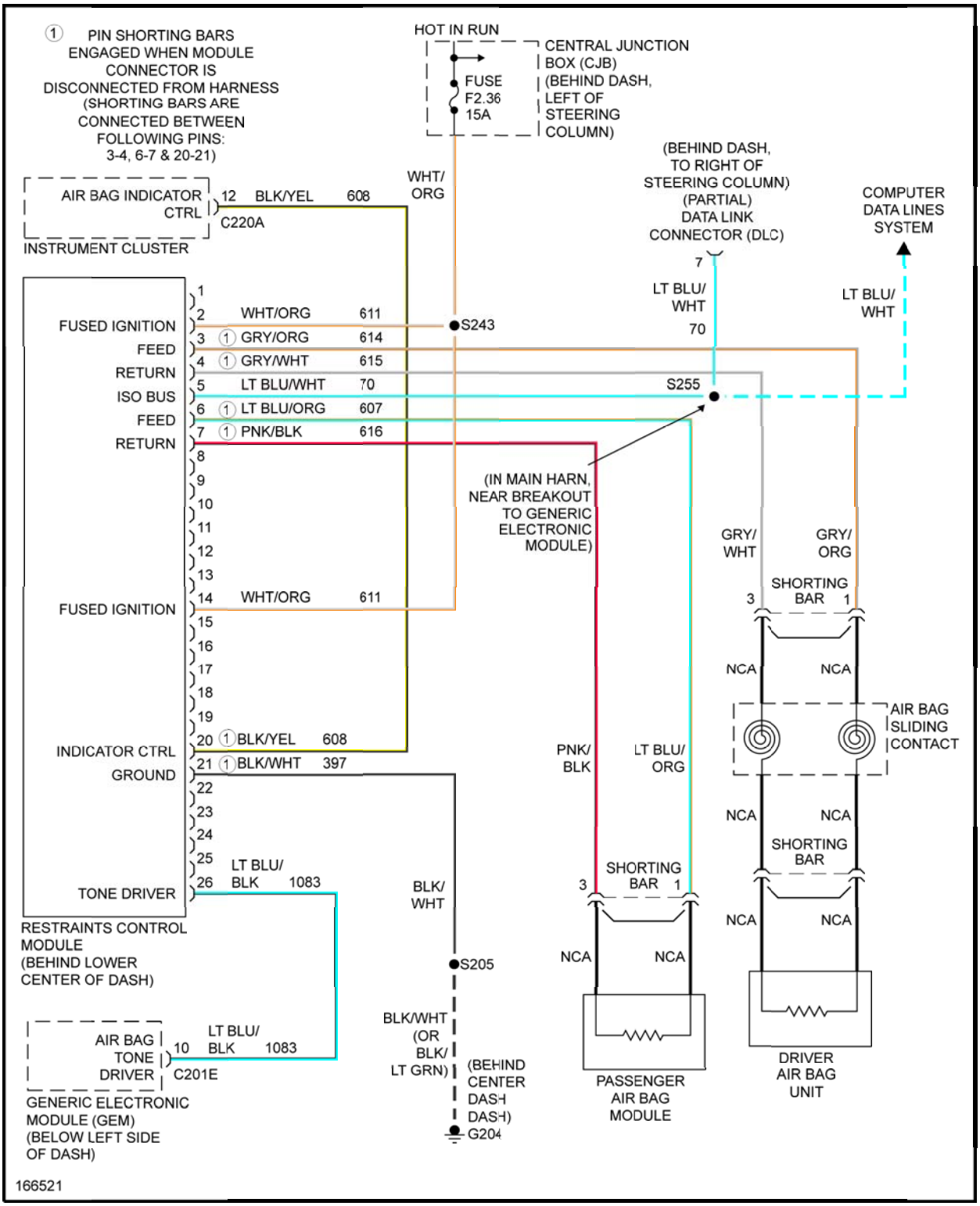

Fig. 51: Supplemental Restraints Circuit

TRANSMISSION

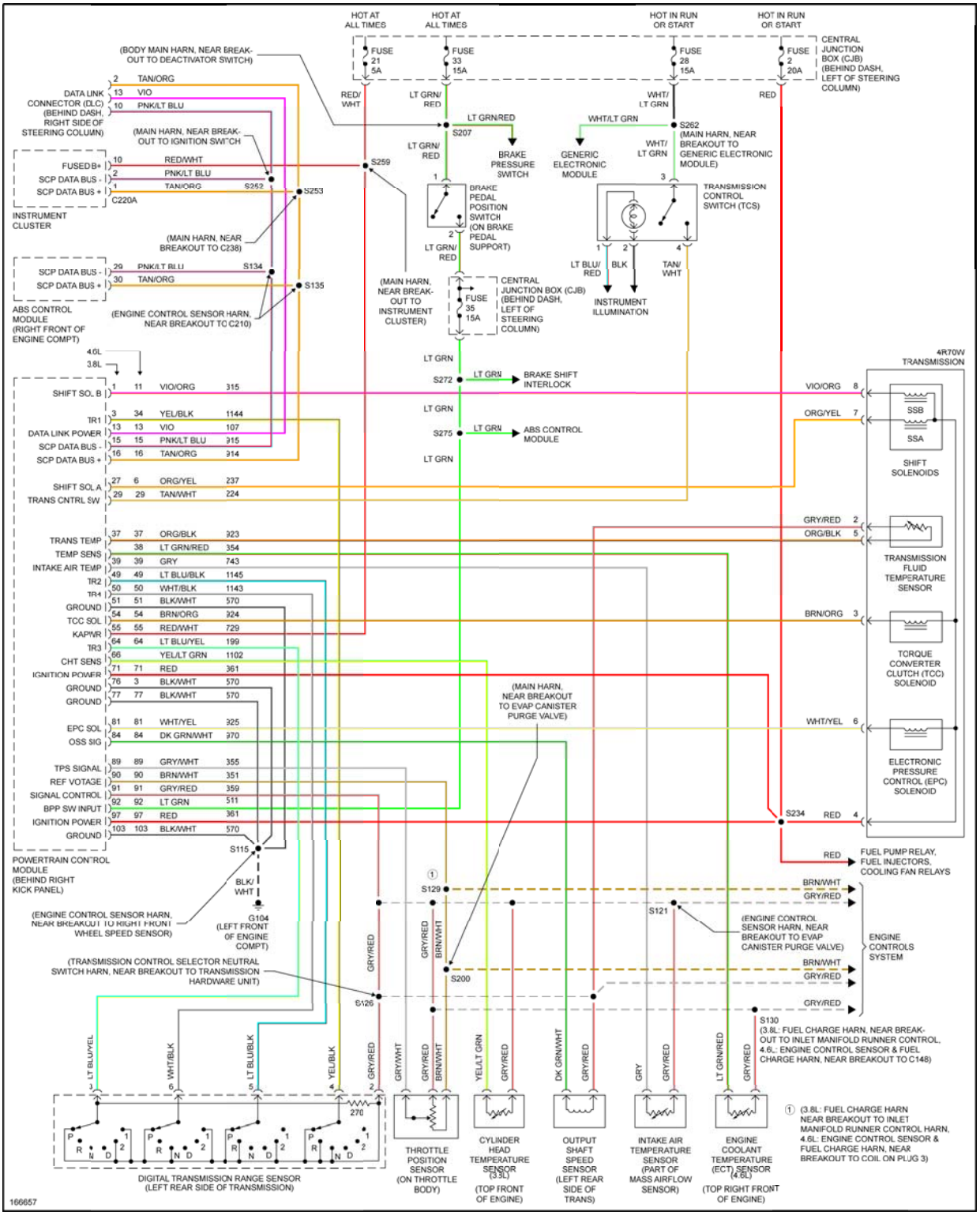
HOT AT ALL TIMES
HOT AT ALL TIMES
HOT IN RUN OR START
HOT IN RUN OR START
CENTRAL JUNCTION BOX (CJB) (BEHIND DASH, LEFT OF STEERING COLUMN)
FUSE 21 5A
FUSE 33 15A
FUSE 28 15A
FUSE 2 20A
(BODY MAIN HARN, NEAR BREAK-OUT TO DEACTIVATOR SWITCH)
DATA LINK CONNECTOR (DLC) (BEHIND DASH, RIGHT SIDE OF STEERING COLUMN)
(MAIN HARN, NEAR BREAK-OUT TO IGNITION SWITCH
INSTRUMENT CLUSTER
C220A
(MAIN HARN, NEAR BREAKOUT TO C238)
ABS CONTROL MODULE (RIGHT FRONT OF ENGINE COMPT)
(ENGINE CONTROL SENSOR HARN, NEAR BREAKOUT TO C210)
BRAKE PEDAL POSITION SWITCH (ON BRAKE PEDAL SUPPORT)
BRAKE PRESSURE SWITCH
GENERIC ELECTRONIC MODULE
TRANSMISSION CONTROL SWITCH (TCS)
(MAIN HARN, NEAR BREAK-OUT TO INSTRUMENT CLUSTER)
INSTRUMENT ILLUMINATION
BRAKE SHIFT INTERLOCK
ABS CONTROL MODULE
4R70W TRANSMISSION
SHIFT SOLENOIDS
TRANSMISSION FLUID TEMPERATURE SENSOR
TORQUE CONVERTER CLUTCH (TCC) SOLENOID
ELECTRONIC PRESSURE CONTROL (EPC) SOLENOID
POWERTRAIN CONTROL MODULE (BEHIND RIGHT KICK PANEL)
(MAIN HARN, NEAR BREAKOUT TO EVAP CANISTER PURGE VALVE)
FUEL PUMP RELAY, FUEL INJECTORS, COOLING FAN RELAYS
(ENGINE CONTROL SENSOR HARN, NEAR BREAKOUT TO RIGHT FRONT WHEEL SPEED SENSOR)
G104 (LEFT FRONT OF ENGINE COMPT)
(TRANSMISSION CONTROL SELECTOR NEUTRAL SWITCH HARN, NEAR BREAKOUT TO TRANSMISSION HARDWARE UNIT)
(ENGINE CONTROL SENSOR HARN, NEAR BREAKOUT TO EVAP CANISTER PURGE VALVE)
ENGINE CONTROLS SYSTEM
S130 (3.8L: FUEL CHARGE HARN, NEAR BREAK-OUT TO INLET MANIFOLD RUNNER CONTROL, 4.6L: ENGINE CONTROL SENSOR & FUEL CHARGE HARN, NEAR BREAKOUT TO C148)
① (3.8L: FUEL CHARGE HARN NEAR BREAKOUT TO INLET MANIFOLD RUNNER CONTROL HARN, 4.6L: ENGINE CONTROL SENSOR & FUEL CHARGE HARN, NEAR BREAKOUT TO COIL ON PLUG 3)
DIGITAL TRANSMISSION RANGE SENSOR (LEFT REAR SIDE OF TRANSMISSION)
THROTTLE POSITION SENSOR (ON THROTTLE BODY)
CYLINDER HEAD TEMPERATURE SENSOR (3.9L) (TOP FRONT OF ENGINE)
OUTPUT SHAFT SPEED SENSOR (LEFT REAR SIDE OF TRANS)
INTAKE AIR TEMPERATURE SENSOR (PART OF MASS AIRFLOW SENSOR)
ENGINE COOLANT TEMPERATURE (ECT) SENSOR (4.6L) (TOP RIGHT FRONT OF ENGINE)
166657

Fig. 52: A/T Circuit

TRUNK, TAILGATE, FUEL DOOR

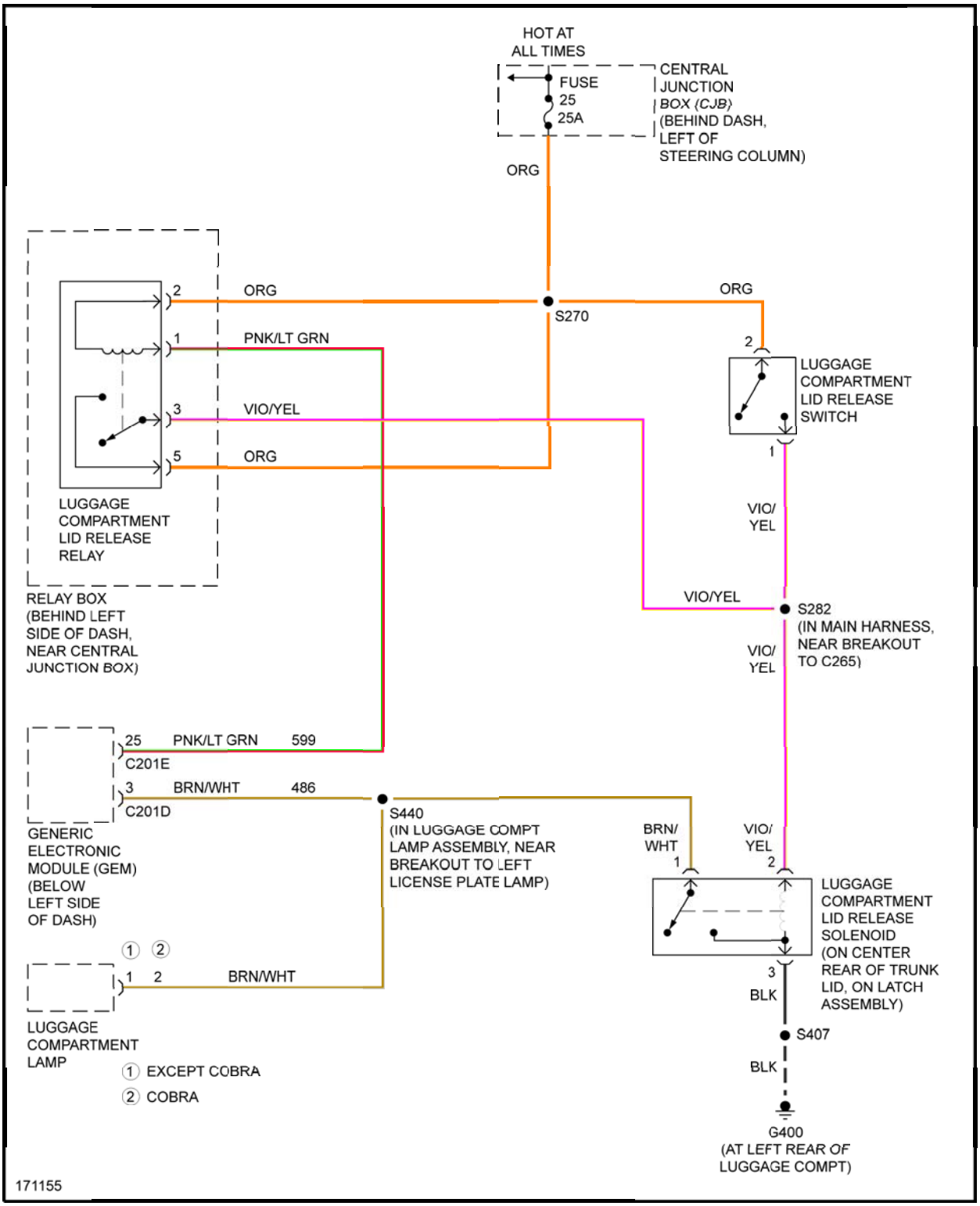

Fig. 53: Trunk, Tailgate, Fuel Door Circuit

WARNING SYSTEMS

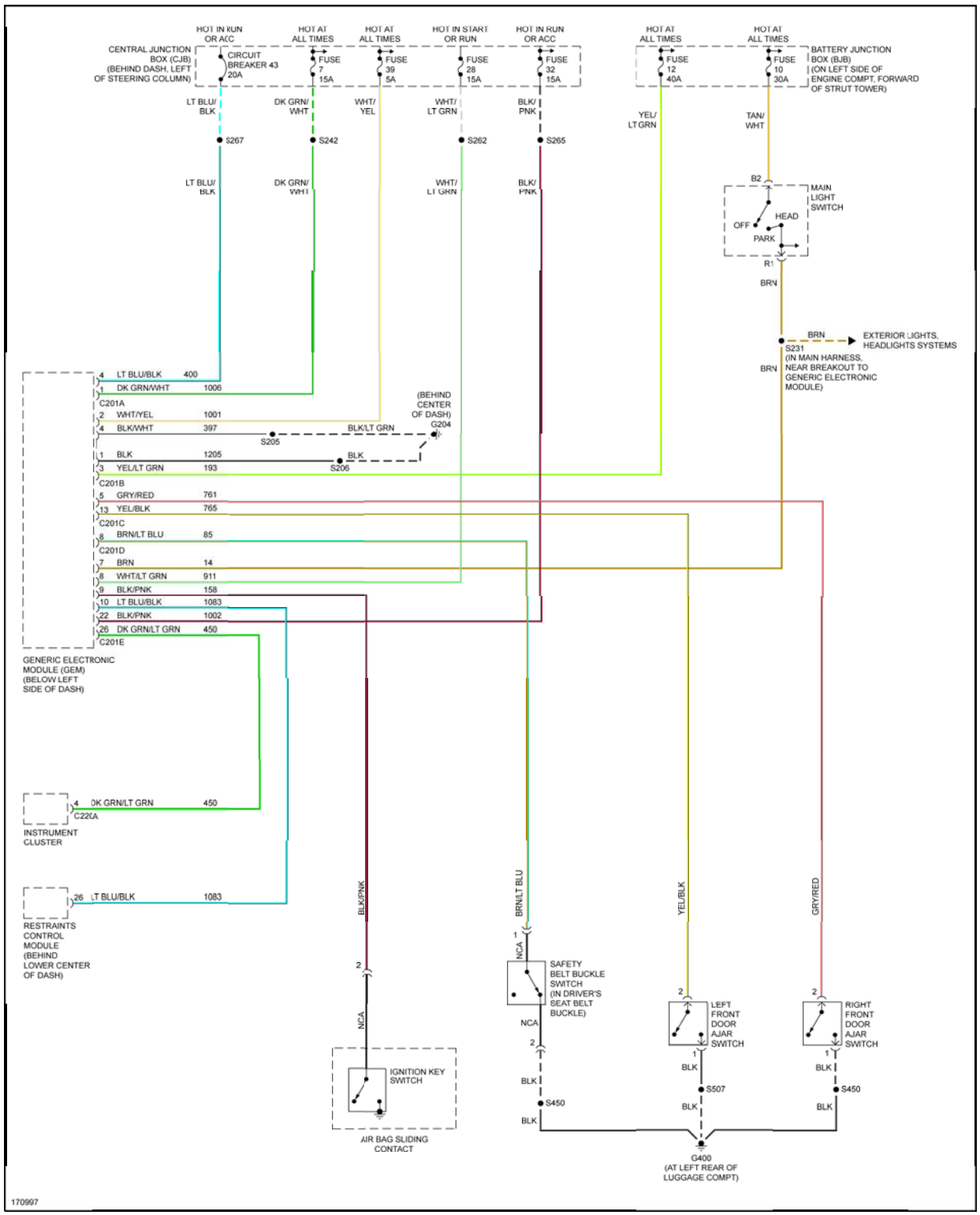

Fig. 54: Warning Systems Circuit

WIPER/WASHER

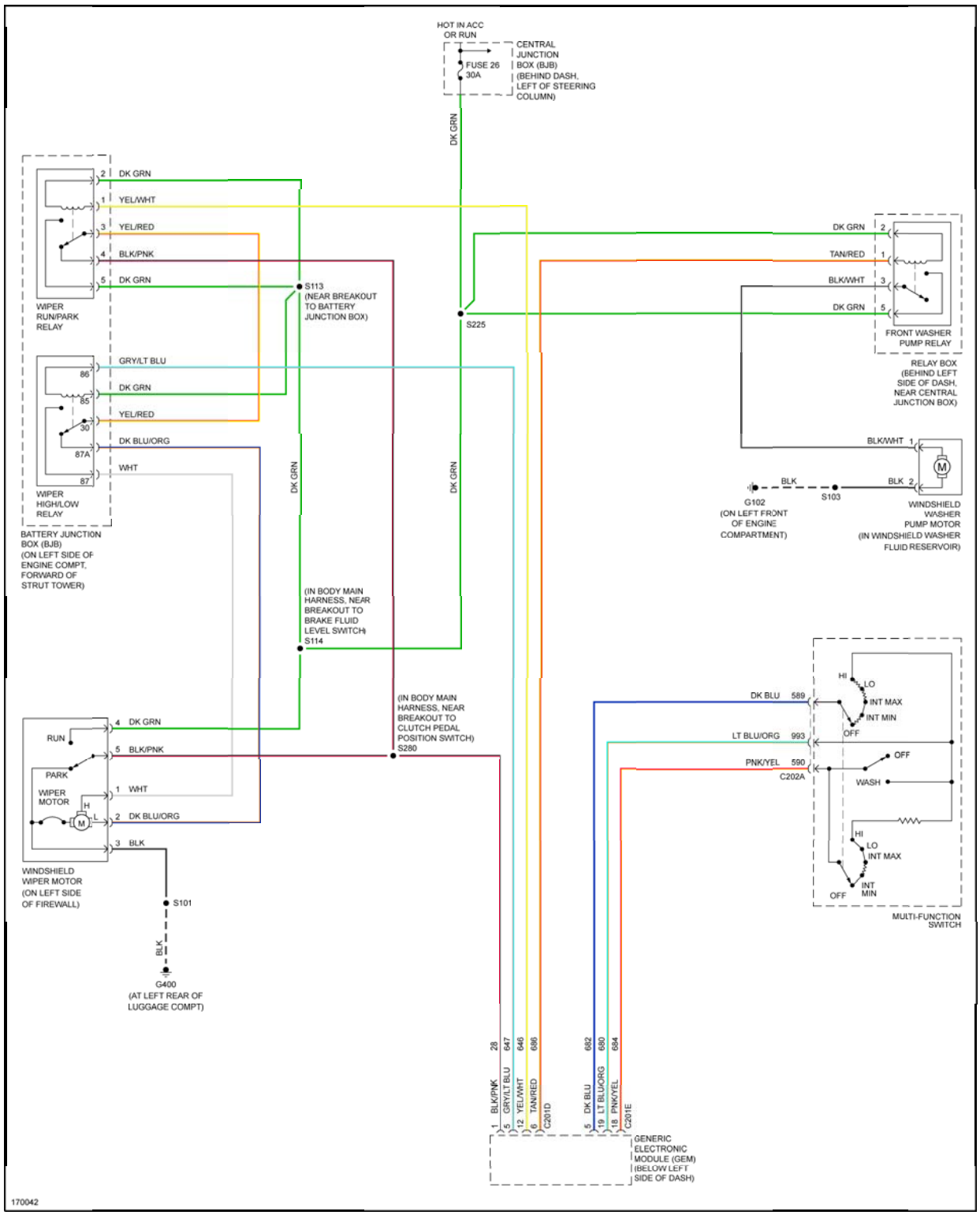

Fig. 55: Wiper/Washer Circuit